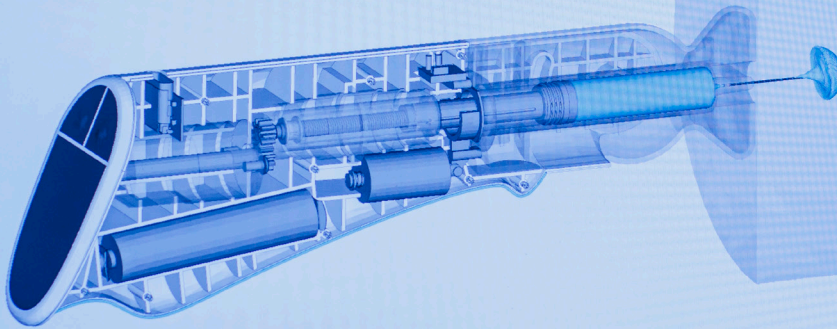


# Nolato Magasin

Nr 36 | October 2025

Concept studies



**Green Thinking Starts at the Drawing Board**  
Discover Nolato's strategy to design for sustainability at every stage of the product life cycle, page 4-5

## Functional Security Meets Smart Design

Discover how Nolato helped Verisure develop the advanced Voicepad - where sleek design meets integrated technology for connected home security.

» Read more on pages 10-11

## Next-Gen EMI Shielding with Trishield RTV

Nolato sets a new industry standard with Trishield RTV - a breakthrough in room-temperature EMI shielding for heat-sensitive materials.

» Read more on page 15

## AI and Automation Elevate Quality

At Nolato Treff, smart automation and AI-driven quality control are revolutionizing injection molding - boosting efficiency, ensuring flawless results, and cutting waste.

» Read more on pages 30-31

## Stronger in Asia: Restructuring for Growth

Nolato strengthens its footprint in Asia with strategic restructuring - bringing us closer to customers with sharper focus and flexibility.

» Read more on pages 8-9

## Molding Minds: The Nolato Academy

Nolato's Scientific Molding courses are transforming knowledge into competitive edge - uniting teams and elevating quality across the Group.

» Read more on pages 22-23



## Smart Packaging at Nolato Dongguan

Since July 2024, Nolato Dongguan has introduced reusable plastic cartons and begun recycling PET and PP trays used in product packaging. With a return rate of approximately 99%, the initiative not only reduces packaging material consumption and greenhouse gas emissions - it also delivers measurable cost savings.



## Turning Waste into Value

Nolato transforms production scrap into high-quality recycled materials supporting circular manufacturing and customer innovation. A strong example of sustainable engineering that delivers on both performance and profitability.

[» Read more on pages 26-27](#)

## Powering Sustainability with Solar Energy

Nolato takes a bold step toward climate neutrality by securing renewable energy through a large-scale solar park in Sweden. A move that not only remove greenhouse gas emissions, but also strengthens long-term resilience by adding renewable electricity production. [» Read more on page 17](#)



Nolato Magasin is created for our customers, shareholders, employees, and anyone interested in what's happening at Nolato.

Editor: Aspekta, Malmö and Michela Nalin Francek | [michela.nalin@nolato.com](mailto:michela.nalin@nolato.com) | Printing: Elvins, Helsingborg  
Nolato AB, Nolatovägen 32, 269 78 Torekov | tel +46 431 442290 | [info@nolato.com](mailto:info@nolato.com) | [www.nolato.com](http://www.nolato.com)

## Young Talents Driving Circular Innovation

---

Three Nolato professionals from our sites in Trollhättan, Lomma, and Hörby are participating in the UN's SDG Innovation Program - leading a project focused on reusing production equipment to support circularity and reduce manufacturing waste.

Their involvement highlights Nolato's commitment to empowering future leaders and embedding sustainability in daily operations. With mentorship, real responsibility, and cross-Nordic collaboration, the program helps shape not only careers - but the future of our business.

[» Read more on page 19](#)

## Customer Feedback in Action

---

Nolato's annual global customer survey is a key driver of continuous improvement - capturing insights on quality, collaboration, delivery, and sustainability. In 2024, customers also called for stronger support in meeting their climate goals, highlighting the need for proactive design and eco-efficient manufacturing.

The feedback doesn't just inform - it transforms. Every Nolato site creates action plans based on the results, ensuring we stay aligned with customer expectations while building trust and long-term partnerships across the Group.

[» Read more on page 12](#)

# Welcome to Nolato Magasin



At Nolato, innovation is not just a goal - it's part of our culture. Every product we design, every partnership we strengthen, and every improvement we implement reflects our commitment to creating long-term value for our customers, our people, and society at large.

**|| Innovation is how we grow - sustainably, together, and with impact.**

In this issue of Nolato Magasin, we invite you to explore some of the exciting steps we're taking across the Group. From launching next-generation autoinjectors and investing in new recycling technologies, to supporting our customers' sustainability goals and developing future-ready talent - the stories you'll find here are all part of a bigger picture: how we're shaping a smarter, more sustainable future.



You'll also meet some of the people behind the progress. Because in the end, it's our teams - across regions and functions - who bring our strategy to life every day, guided by collaboration, responsibility, and a passion for precision.

Whether you're a customer, partner, investor, or colleague, we hope these insights inspire confidence in what we do - and where we're heading.

**Enjoy the read!**

**Christer Wahlquist**  
President and CEO



GREEN THINKING

# How TDC Plays a Crucial Role in Making Products More Sustainable

As a solid science-based company, Nolato is constantly looking for solutions to innovate product design and manufacturing processes to obtain the best results for its customers. To achieve excellence in developing and manufacturing sustainable and robust plastic components across Nolato's companies globally, the company's Technical Design Center (TDC) plays a crucial role. TDC is a global support function and a central hub within Nolato, acting as an interface between production sites and customers, sharing knowledge, best practices, troubleshooting and providing support to customers regarding product design, materials and efficient production.

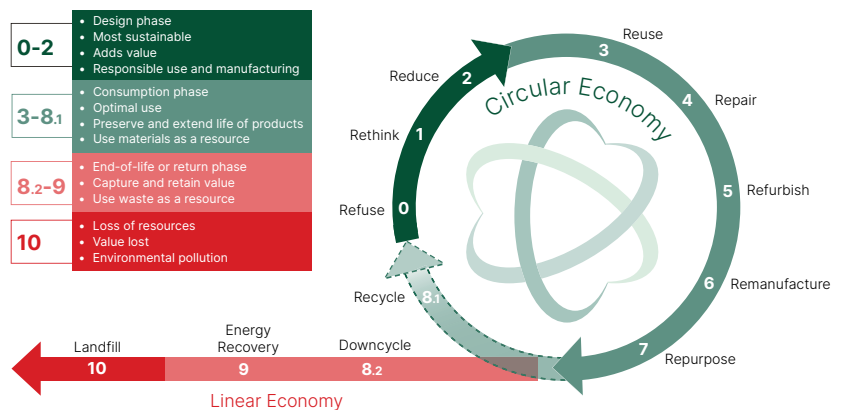
The resources and support provided by the TDC are applied to both of Nolato's business areas: Medical Solutions and Engineered Solutions. The TDC team comprises approximately 35 specialists organized into four units that operate across the regions of Nolato, namely the USA, Europe and Asia.

## From Cradle to Grave mindset

The TDC operates with a holistic approach, evaluating every aspect of product development and production from cradle to grave. This includes product design - focusing on functionality, material selection, manufacturing techniques, and product lifespan, while also considering end-use dismantling, recycling opportunities, and more.

To optimally leverage the expertise of TDC it is ideal to involve the team early

in the product development phase. This enables TDC to review and evaluate a product's foundation and prospects while providing valuable support and input on how to adapt and design for optimal functionality, and cost-effective manufacturing, as well as ensuring a strong element of sustainability from the outset. This early involvement of TDC is a strategic component of the Nolato value proposition, as it allows customers to



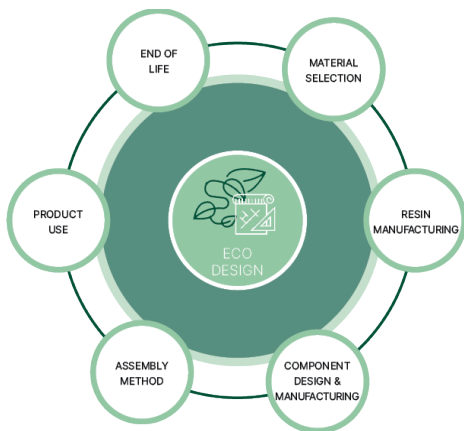
Nolato's "R" strategy for transitioning towards a circular economy model based on Eco-Design principles.

optimize their products during the initial stages, delivering high value, maximizing yield for customer's business and reducing time-to-market.

### Sustainability as the center of innovation

Over the years, the demand for sustainable products across all industries has significantly increased. This trend is further reinforced by a legislative landscape that imposes diverse requirements for ESG (Environmental, Social, and Governance) objectives and reporting obligations on businesses. Key frameworks, such as the EU Eco-Design Directive, emphasize environmental sustainability by improving energy efficiency, resource use, and reducing environmental impact throughout a product's lifecycle.

As one of its core assignments, TDC supports product innovation for sustainable solutions, for which Nolato has developed a customized Eco-Design model.



*Nolato's Eco-Design principles*

This framework provides TDC with a sustainability-driven approach to effectively and comprehensively design, review and optimize customers' products, improving their sustainable footprint. The model emphasizes the early integration of sustainability in the design process to ensure it is embedded at every key stage of a product's lifecycle.

- **Material selection**, emphasizes choosing eco-friendly, recyclable, mass-balanced or biodegradable

materials to minimize environmental impact.

- **Resin manufacturing**, an integral part of production, evaluating raw materials for material production and prioritizing low-emission processes and the use of renewable resources to reduce carbon footprints.
- In **component design and manufacturing**, energy-efficient methods and durable designs are key to extending product lifespan and minimizing waste.
- Lastly, **assembly methods, product use**, and **end-of-life** strategies focus on optimizing energy consumption during use and ensuring responsible disposal or recycling, making the model essential for creating sustainable products throughout their lifecycle.

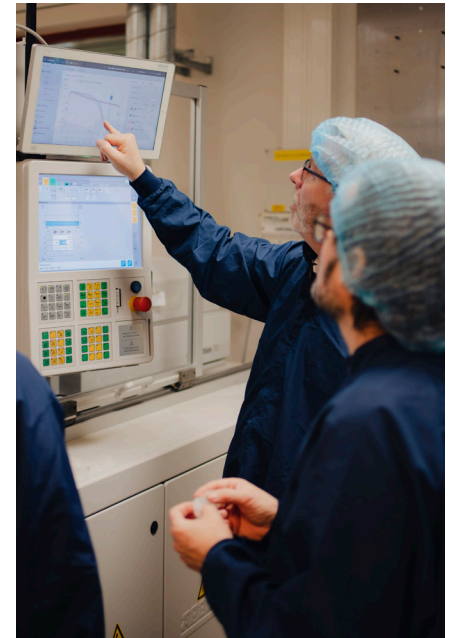
These different areas complement each other, enabling TDC to assess every aspect of a product's environmental impact.

As previously emphasized, Nolato aims to be involved early in the product development phase, and this very much applies with regard to sustainability as well. By supporting customers during this phase, the TDC team can make a significant impact on improving sustainability while ensuring the functionality and robustness of the product, as opposed to working with products already on the market.

Furthermore, sustainability presents a favorable opportunity from a cost standpoint. In fact, eco-design and cost-efficient production are closely aligned. Efficient design choices, such as selecting durable, low-footprint materials, optimizing part design, or minimizing waste, can deliver significant environmental and financial benefits. Done right, there is often a correlation between production efficiency and sustainability, as both aim to reduce resource consumption and waste. Strategies like using less material, designing for energy-efficient production, and adopting mono-material design principles are not only cost-efficient from a manufacturing perspec-

tive but also align with sustainability aims of reducing the overall environmental impact of a product.

TDC has long been a trusted provider of sustainability expertise, offering guidance and innovative ideas to help Nolato's customers place sustainability at the core of their product development. ■



*TDC engineers analyzing process parameters in Nolato's Molding Laboratory in Hörby, SE.*

### Technical Design Center (TDC)

#### Locations:

- Baldwin, WI, USA
- Hörby Sweden
- Beijing, China

Supports global customers with expert guidance in product design, materials, and sustainable manufacturing. With specialists in Europe, Asia, and the USA, TDC helps optimize performance, cost-efficiency, and environmental impact - right from the start.

**Contact:** [tdc@nolato.com](mailto:tdc@nolato.com)

# Collaborating closely with customers and suppliers - MELITEK A/S case

For decades, TDC has partnered up with customers with the aim of fostering mutual learning and advancements in product design and technologies. One of TDC's focus areas when working with customers is understanding and using resources in an optimal manner for which advanced analytical tools are applied to study the interlinks between the functions of a product and the design of its respective components.

As an example of a recent customer-supplier collaboration, Nolato and MELITEK A/S worked together to explore material substitutions for improved sustainability without compromising engineering performance. MELITEK A/S is a privately owned Danish company specializing in elastomer and polymer compounds based on 30 years of experience servicing the healthcare

market. The project focused on replacing a conventional polycarbonate (PC/ABS) blend with a customized polypropylene (PP) compound for a medical device component, specifically modified to replicate the mechanical properties of PC/ABS while ensuring compatibility with existing production equipment.

Nolato's TDC conducted an initial technical study to assess the feasibility of this material transition, with a primary focus on determining whether the modified PP compound could meet dimensional requirements without requiring mold modifications. The study evaluated critical factors such as shrinkage behavior, warpage, and dimensional stability. While the results indicated some challenges in achieving all dimensional requirements, the modified PP compound demonstrated

good potential for successful integration with further optimization of material formulation or processing parameters. The material substitution could lead to significant reductions in energy consumption, raw material usage, and overall carbon footprint.

The Technical Design Center (TDC) plays a crucial role in making products more sustainable by integrating eco-design principles early in development, optimizing material selection, enhancing manufacturing efficiency, and collaborating with customers to reduce environmental impact while maintaining performance and cost-effectiveness. ■



## Reducing Carbon Footprint Alongside a Supplier

**Nolato has been manufacturing coffee machine components for several years. In order to reduce the climate impact of the components, we have, in collaboration with a forward-thinking supplier, significantly reduced emissions without changing materials. This reduction has been achieved as a result of the supplier's extensive energy efficiency improvements and its transition to renewable electricity in its production of plastic granules.**

To manage the technically demanding environment and the high temperatures

to which the components are exposed, we have had to use the advanced plastic types polyamide and ABS (acrylonitrile butadiene styrene). Both of these have a relatively high carbon footprint, but thanks to the improvements in our supplier's production process, we have been able to achieve a 32% reduction for each material.

The reduction is the result of a determined effort over a long period of time – from 2018 to 2024. In 2024, these measures, for this group of components in coffee machines, reduced climate impact by over 2,000 tons of CO<sub>2</sub>e. ■



Together, We Are Nolato



## Thomas Gillgren

**Roll:** Technical Development Strategist

**From:** Nolato Silikonteknik, Hallsberg, Sweden

### What do you do at Nolato, and what do you enjoy most?

My title is Technical Development Strategist. I focus on the long-term technological direction of our company - whether it's about new products or processes. Unlike my fantastic colleagues in the development team who focus on current innovation, my role is to look ahead and understand what will be technically required of us in the future, and how we can meet those demands. What I find most exciting is exploring new technologies to see if and how they can benefit Nolato. I love seeing things improve, and in this role, I'm lucky enough to witness that often.

### What are your biggest challenges, and how do you handle them?

One big challenge is anticipating what customers will need - even before they know it themselves. I track trends and actively listen to customers and colleagues across departments to create a clear picture of where things are headed and what will matter most in the near future.

### What's your best experience at Nolato?

During my first week, Nolato hosted its annual Sales Week - a company-wide gathering with colleagues from sales, projects, R&D, and marketing. It gave me a comprehensive and collaborative view of how the company operates. That cross-functional insight left a lasting impression and still shapes how I understand the business today.

### What makes Nolato a great employer?

The range: we're small and close-knit but also high-tech and global. That combination makes for a unique and inspiring work environment.

### Describe Nolato in three words.

Pragmatic, Customer-focused, Family-like.

### Do you have a hobby that inspires your work?

I enjoy endurance sports like running and cycling. They teach you to push through and keep going even when things get tough - something that applies directly to my job when long-term results require patience and persistence.

### What's your top advice for someone wanting to join Nolato?

If you have an open mind and enjoy solving practical problems - go for it! ■

# Sustainability That Stands Out

**Nolato among top 4% globally, according to EcoVadis**

In 2024, Nolato earned a place in the 96th percentile in the EcoVadis global sustainability rating—putting the company among the top 4% of all assessed organizations worldwide. This recognition confirms that Nolato's structured, long-term commitment to sustainability is not just ambitious, but effective.

EcoVadis evaluates companies across four key areas: environment, labor and human rights, ethics, and sustainable procurement. Nolato's top-tier rating reflects progress on several fronts: validated climate targets through the Science Based Targets initiative (SBTi), full Scope 1–3 emissions reporting, and active work to engage and assess suppliers through its new Sustainable Procurement Initiative.

“Our high score is the result of years of continuous improvement and a strong internal culture of responsibility,” says Glenn Svedberg, Group Sustainability & Technology Director. “It sends a strong signal to customers and partners that we walk the talk.”

As sustainability becomes a critical factor in global value chains, third-party ratings like EcoVadis help companies benchmark progress and build trust. For Nolato, it's another step toward being the partner of choice in sustainable design and production. ■





OPERATIONAL FOCUS

# Restructuring of Nolato in Asia for Enhanced Competitiveness

Nolato's presence in Asia goes back a long time, the company's first operations were established at the beginning of the millennium and has, over the years, developed and adapted to the current market demands and customers in the region. Moreover, the Asian sites support customers worldwide, highlighting how Nolato's global footprint comes into play, benefiting customers.



As of today, Nolato has around 2000 employees in the Asia region, including units in China, Malaysia, and India. The Nolato businesses in these regions have evolved over time through expansions, acquisitions, and operational ramp-downs.

*"In 2001, Nolato started its first operations in Beijing to, at the time, serve primarily the telecom industry, which then had moved to Asia. The first unit we opened in Southeast Asia was back in 2009 in Penang, Malaysia, which today serves the entire region within Nolato's Engineered Solutions offering,"* says Anders Björklund, President Engineered Solutions.

In 2023, Nolato Group decided to restructure parts of its set-up in Asia, focusing on reducing operations in Beijing while transferring much of the business to the newly acquired unit in Dongguan in southern China. The relocation of the China operations has resulted in a strong Nolato presence in Dongguan, with two sites covering respectively Nolato's Medical and Engineered Solutions. Nolato maintains its EMC business and Technical Design Centre in Beijing. The other main Nolato stronghold in the region is the Malaysia business, which is also projected to continue expanding its operations.

### **A strategic move to ultimately better serve customers**

With the transfer to the south of China, Nolato has positioned itself closer to both its customers and suppliers, securing a strategically optimal supply chain location.

**Having a broad footprint in Asia enables us to support our customers across the region as well as be flexible when tailoring solutions in terms of manufacturing, consulting, and product development.**

While focusing on growing and expanding Nolato in the value chain, the company is also focused on attracting new and different kinds of customers with its competitive offering.

*"This reconstructing is in line with our strategy of having a broad offering in Asia, from our core expertise within injection molding to advanced surface treatments and metal stamping. Also, from a geographical standpoint, we have optimized in terms of logistics, shipping and warehouse storage,"* adds Anders Björklund.

In the future, Nolato will continue to

consolidate its business and solidify its offering in the Asia region, following the global trend of regionalization.

*"A strong Asian presence is of utmost importance for Nolato, with strong growth rates and being a hotspot for manufacturing, the region is a vital strategic and operational priority for us both for regional and global trade opportunities. In general, our global footprint enables us to support customers wherever they need it, which is a strong business advantage for Nolato,"* Anders Björklund concludes. ■



*Anders Björklund, President Engineered Solutions.*



CUSTOMER CASE

# Verisure Develops Security Solutions of the Future



Verisure is the leading provider of professionally monitored alarm solutions for households and small businesses in Europe. The company offers premium alarm services for monitored alarms to its more than 5.6 million customers across 17 countries in Europe and Latin America. With the ambition to develop even better solutions, Verisure has created a new Voicepad – a control device that puts users in full control of their home’s connected alarm systems, such as cameras and sensors. Voicepad’s product development placed stringent demands on both technical

innovation and design. To realize this vision, Verisure chose to work with Nolato.

The latest version of Voicepad is a wall-mounted control unit which, despite its compact size, contains numerous functions. It incorporates powerful sirens, voice-controlled communication with the Verisure alarm center and a key-pad to manage the home’s connected devices. The objective was to develop a compact device that accommodates advanced technology while being aesthetically pleasing. Nolato was

involved early on in the project and played a crucial role in developing components and supplying high-quality, assembly-ready parts.

## Complex challenges required new methods

Putting to use Nolato’s expertise in injection molding and complex assembly, Verisure’s ideas could be transformed into reality. To create a sophisticated product like Voicepad, Nolato needed to develop new methods for producing and assembling key components. For example, the front panel is produced as



a unique double-molded plastic component, giving both aesthetic elegance and durability. Technologies such as stretching fabric for the speaker, and fitting it, were also used in the production of Voicepad.

One of the most advanced processes in the production is the development of bespoke plastic film which, using a combination of different techniques, is printed with a pattern. The film is then shaped to the right dimensions and integrated into the mold for injection molding with plastic on the back (in-mold labeling). The result is a

durable and well-balanced component that meets Verisure's exacting demands on design and functionality.

#### **Fruitful collaboration**

Nolato's considerable experience in mobile and consumer electronics, combined with its ability to deliver products that meet stringent cosmetic and technical requirements, laid the foundation for successful collaboration with Verisure. The development of Voicepad has also provided valuable insights that reinforce Nolato's capacity to generate even greater customer value

in future projects – with a focus on smart design that simplifies the production and integration of new technology.

*"Nolato has been a key partner in the realization of Voicepad – not only by supplying components, but also by assisting with design and process optimization. The collaboration shows how innovative solutions and technical expertise can create a product that combines design, functionality and high quality."* - Daniel Kristensson, Verisure's R&D team. ■

# Unlocking Customer Insights for Continuous Improvements

**For many years, Nolato has prioritized conducting a yearly customer survey to enhance the company's overall performance and operations, and to ensure long-term satisfactory customer relationships. The customer survey is sent out each year to the majority (by value) of Nolato's customers across business areas worldwide. While the survey has a simple format and is of both quantitative and qualitative nature, it generates solid, tangible and useful insights, which is of great value both for Nolato and its customers.**

Once the surveys are completed, the collected data and feedback are thoroughly organized and analyzed for internal review and evaluation, which ultimately results in action points to be carried out by the respective responsible managing director. Furthermore, the customer survey plays a crucial part in conducting management reviews at

an executive level, helping to critically audit the organization's processes and performance. Since Nolato has had a long-standing commitment to doing customer surveys, there is a trendline with track record and internal benchmarking framework that allows the company to observe development, recognize areas of progress and success as well as pinpoint areas of challenges and determine where additional focus and resources are needed.

*"In 2024, we also investigated our customers' need on sustainability issues to understand where we as a company best can support our customers in their sustainability journey. In this regard, it was emphasized that Nolato across our global business plays a crucial role in supporting customers with sustainable manufacturing and product design, including eco-design. They also pointed out that they value a proactive approach where Nolato can come up with propo-*

*sals on how to reduce the CO2 footprint of a product,"* says Glenn Svedberg, Group Sustainability & Technology Director, Nolato Group.

As a customer-centric company with a highly decentralized management approach, each of the local Nolato teams and sites is empowered to tailor solutions to meet the customers' needs. Action points derived from the customer surveys are implemented at the respective local Nolato company and follow-ups are conducted to ensure that progress and initiatives are felt by customers. Moreover, the customer survey serves as a tool to ensure that any gaps or discrepancies between Nolato's aimed company culture and services with how customers perceive and experience the company are identified.



*"Having the customer survey is of great value, it allows us to detect things that need our attention, provides us with actionable insights and gives us reinforcement that we are on the right path in various aspects of our business. We very much appreciate our customers' participation and continued engagement,"* says Christer Wahlquist, CEO, Nolato Group.



## Veronica Casados

**Roll:** Materials Manager  
**Company:** Nolato Querétaro,  
Querétaro, Mexico

**What do you do at Nolato, and what do you enjoy most?** My current role is Materials Manager. Previously, I held the position of Buyer-Planner. Recently, I was given the great opportunity to take on this role, and I am truly excited about this new challenge. What I enjoy the most is the interaction with people. The materials department connects with suppliers, customers, all the plant areas, and many others. Being part of a service-oriented area allows me to broaden my horizons and continuously grow both professionally and personally.

**What are your biggest challenges, and how do you handle them?** I believe my main challenges are applying the knowledge I previously acquired to establish KPI measurements for the department while also learning all the new functions of my role. This plant is constantly growing and evolving, not just maintaining a single focus but continuously developing innovative new products. To keep up with this progress, we must grow alongside it, acquiring the necessary knowledge to ensure we remain at the same level of excellence.



### **What's your best experience at Nolato?**

I have had so many memorable experiences here. It is unlike any place I have worked before. The opportunity to have my ideas heard and implemented, along with the support from my colleagues and leaders, has helped me grow in many ways. The work environment is excellent, and people are always willing to help, which makes a significant difference in both personal and professional development.

### **What makes Nolato a great employer?**

I believe what makes Nolato stand out as an employer is its commitment to continuous training, keeping us informed and prepared for the latest global topics, including social and environmental issues, among others. We have access to a wide range of resources that allow us to keep learning and growing. More-

over, the support within the entire group is incredibly kind and environment.

### **Describe Nolato in three words.**

Responsibility, Support, and Growth

### **Do you have a hobby that inspires your work?**

Yes, I strive to keep learning about topics that motivate me at work, and I also try to apply them outside of work. I do this by reading, listening to podcasts, and exploring ways to contribute to society and the environment.

### **What's your top advice for someone wanting to join Nolato?**

That should give it a try without a doubt, Nolato is a company that develops your skills and helps you reach your highest potential. Moreover, the people here are always supportive and ready to help. ■

# Recycled Plastic Gave Greater Environmental Benefits

In one of our projects for the office furniture company Kinnarps AB, we manufacture the base frame for the company's rolling cabinet. The component in question weighs almost 0.5 kilos and originally consisted of the technologically advanced technical material PA6 (polyamide plastic), which has a high carbon footprint. By replacing this material with PP plastic (polypropylene), we could reduce carbon dioxide emissions by as much as 74% as an initial step.

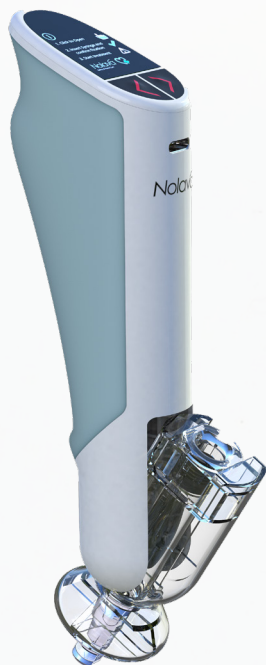
Since the PP material was a virgin raw material, it was natural for us to also explore the possibility of using recycled raw material instead. By doing so, we have helped enable the customer to reduce carbon footprint by a further 45% – that is, by 86% compared to the original material.

In addition to the positive environmental effects, the change of material generated other benefits for the customer.

Since PP plastic is a cheaper material, the same function could be achieved at a lower price and with a lower carbon footprint. Because the material also exerts less wear on the molds used in the production process, the molds have a longer lifespan, which in turn generates important environmental benefits through a reduced need for both ongoing maintenance and producing new tools. ■



## Innovation That Reduces Costs and Carbon Footprint



The Nolava autoinjector pen is a virtual example of a type of medical device developed by Nolato to illustrate our offering in the development stage. An autoinjector enables the patient to self-dose an injected drug with ease.

The same concept was used in the development of an equivalent product for a large pharma customer. In its original design, a mix of the plastics PC (polycarbonate) and ABS (acrylonitrile butadiene styrene) was used to manufacture parts of the autoinjector. This resulted in a technically advanced plastic with high tensile and impact strength, but that had a high carbon footprint. To explore opportunities to reduce the footprint yet still maintain the important technical qualities, our Technical Design Center (TDC) contacted a raw material supplier concerning the

possibility of using PP (polypropylene) plastic – a simpler type of plastic with broad use in numerous applications.

Tests showed that it was possible to switch from PC and ABS plastic to PP plastic for small components without changing existing molds. The advantages of PP plastic are that the material is both cheaper and lower in density, giving important cost savings for the customer, enabling them to buy less material at a lower price per kilo. However, the greatest benefit is that this plastic type has a significantly lower carbon footprint – up to 70% – compared with the original plastic types. That way, Nolato succeeded, through innovation and a new approach at the design stage, in demonstrating how to reduce not only the customer's costs, but also the product's climate impact. ■



**Nolato Silikonteknik**

**Location:** Hallsberg, SE

**Employees:** 90

Offers unique premium solutions in conductive silicone and thermal interface materials (TIM), in combination with local production on a global scale.

## Nolato is Setting the Industry Standard for EMI Shielding Solutions With Its New Trishield RTV Technology

For over 20 years, Nolato has developed and provided Trishield technology for electromagnetic interference (EMI) shielding, serving high-tech industries and companies in relation to providing different gasket sealing solutions. This is critical in preventing unwanted electromagnetic signal disruptions, for instance in electronic devices and modern cars. Thus, Nolato Trishield solutions have served for decades as a key technical tool in meeting EMI requirements, ensuring the performance and reliability of devices in various industries.

Over the years, the Trishield technology has been developed internally across Nolato companies, namely by Nolato Silikonteknik in cooperation with Nolato's US-based sister company Jabar. Stemming from this cooperation, the new Trishield RTV technology has emerged and taken center stage, representing a milestone for innovation and Nolato's long-standing focused R&D efforts.

### **The new functions and advantages of Trishield RTV**

The new Trishield RTV (room temperature vulcanization), introduces advanced features, delivering an EMI shielding solution that combines high shielding

effectiveness with strong mechanical performance. Whereas previous Trishield versions relied on heat curing systems that were unsuitable for gaskets in heat-sensitive materials, the new Trishield RTV features allow for curing at room temperature, expanding its applicability to a wider range of designs and materials. This advancement opens new application areas, making Trishield RTV particularly well-suited for products that incorporate heat-sensitive materials, such as plastic, magnesium, or surface-treated aluminum.

Due to its narrow and high gasket profile, the new Trishield RTV significantly reduces material usage, contributing to a more efficient design. The reduced material usage is valuable both when the gasket is used as a traditional gasket and cured in place as well as an adhesive, to glue things together. For example, cover and printed circuit board. This reduction in material not only lowers production costs but also decreases the required compression force and minimizes the number of screws needed for assembly. Overall, this translates to tangible cost savings, making Trishield RTV an economical and efficient choice for EMI shielding.



Nolato will continue to develop its Trishield RTV solution by further refining the gasket properties while working with different materials to stay ahead of the curve. This approach ensures that Nolato can meet the growing demand across industries for innovative EMI shielding solutions. This is important as an increasing number of everyday products incorporate integrated electronics, which are becoming smaller, more powerful, and more interconnected — particularly in consumer electronics, automotive and electric vehicles, and medical devices. ■



## Nolato Has Grown into a Global, Competitive Force

**At Nolato's Annual General Meeting on May 6, 2025, Fredrik Arp formally stepped down as Chairman of the Board, handing over the reins to Klas Forsström. This marked the conclusion of a remarkable 16-year journey - one defined by growth, transformation, and steadfast commitment to Nolato's success. Reflecting on the journey, Arp shared his thoughts with Nolato Magazine.**

"Over these years, Nolato has grown from SEK 2.6 billion to nearly SEK 10 billion in revenue. The business has become international-when I started, 40% of sales came from Sweden. Today, that figure is just 12%. Nolato has evolved into a global, high-performing and competitive company," says Fredrik Arp. "This growth has been achieved both organically, in close partnership with customers, and through strategic acquisitions. Throughout it all, our focus on the Medical segment has remained a consistent priority."

Nolato's rapid growth has paid off handsomely for its shareholders. "The average annual return over these 16 years has been 22%, meaning that an investment of SEK 1,000 has grown to SEK 23,000. And we've never needed to go back to shareholders for capital

through a new share issue-growth has been entirely self-financed," he notes.

Two major waves of market demand helped propel Nolato's expansion. "The first was mobile phones, which was a lucrative business for many years. The second was the VHP segment. In both cases, when the product became a commodity, it was no longer as attractive. But we were well-positioned to capitalize on the demand during the boom years."

According to Fredrik Arp, Nolato's success is the result of many interlocking factors: "Support from long-term owners, strategic direction from the Board, and skilled leadership have all played vital roles. Continuity has been key. The Board's job has been to define our direction, appoint the right people to execute it, and set the framework for measuring performance. It's been a team effort, and as Chairman, I've enjoyed the role of team builder."

He adds, "As Chairman, you're more involved in the day-to-day business than other board members. That means close collaboration with the CEO on planning, strategy execution, investor relations, budgeting, ownership dialogue, and acquisitions. It's a continuous process, though not as hands-on as being an executive, of course. My partnership

with the CEO has been a very positive experience over the years." Fredrik Arp points to customer trust as the greatest success during his tenure. "Trust is the ultimate proof that we're doing things right. Growth is always about winning customer confidence, especially from large global players. When those customers choose Nolato, we need to be effective in converting that opportunity into value. We've built a strong industrial structure to make that happen."

He's particularly proud of one bold move: "I'm glad we had the courage to complete our U.S. acquisition - GW Plastics - during the pandemic. It was a major investment, and although I wish we'd seen faster results, we made it through successfully."

At the AGM, Klas Forsström was elected as the new Chairman of the Board. Forsström, who joined Nolato's Board in 2024, brings more than 20 years of senior executive experience from the Sandvik Group. He currently serves as President and CEO of Munters Group AB, a global leader in climate solutions for industrial applications. In addition, he is a board member of IPCO AB, a fellow of the Royal Swedish Academy of Engineering Sciences (IVA), and sits on IVA's Business Council. ■



## Nolato Powers Sustainability Goals with Renewable Energy from New Swedish Solar Park

Nolato has taken a major step toward its climate targets by signing a 10-year Power Purchase Agreement (PPA) with Better Energy. The agreement secures renewable electricity from the new Studsvik Solar Park in Sweden and supports Nolato's ambitious goal of reducing CO<sub>2</sub> emissions by 80% by 2025.

### A Strategic Move for Long-Term Impact

The PPA will supply a significant portion of the electricity used across Nolato's Swedish operations. It also provides access to Guarantees of Origin for green electricity—ensuring full traceability and reinforcing the company's commitment to responsible sourcing.

*"This is both a responsible and strategic move,"* says Christer Wahlquist, President and CEO of Nolato. *"It helps us reduce exposure to energy price fluctuations and supports long-term business stability."*

### One of Sweden's Largest Solar Parks

Located in Nyköping Municipality, about 100 kilometers southwest of Stockholm, the Studsvik Solar Park spans more than 23 hectares—roughly the size of 34 football fields. Officially inaugurated in October 2024, the park is expected to produce 25 GWh of electricity annually, equivalent to the needs of 5,000 average Swedish households. Nolato will offtake more than half of that capacity.

### Driving Collective Climate Action

Nolato is one of several companies participating in the project, alongside partners such as Vestre and Scan Global Logistics. Their joint commitment helps increase the availability of renewable energy in Sweden and demonstrates how businesses can drive change together.

*"Our collaboration with partners like Nolato shows that manufacturers can be leaders in the energy transition,"* says Mikkel Thorup, Senior Director of Power Purchase Agreements at Better Energy.

### Designed for Nature and Innovation

The solar park was designed with a nature-inclusive approach. Green hedgerows surround the panels to support biodiversity and reduce visual impact. The site is part of Studsvik Tech Park, an innovation hub focused on clean energy and sustainability.

### A Milestone on Nolato's Climate Journey

This agreement is a cornerstone in Nolato's broader climate strategy, which includes reducing Scope 1–3 emissions, integrating circular production principles, and promoting sustainable material choices.

*"We're proud to contribute to a greener energy future while making our business more resilient,"* says Christer Wahlquist.

With additional solar projects in the pipeline, Nolato's commitment to clean energy is powering real progress - today and tomorrow. ■



## Tan Wai Tjun

**Roll:** Business Development Manager  
**Company:** Nolato Malaysia,  
Penang, Malaysia

**What do you do at Nolato, and what do you enjoy most?** As a Business Development Manager at Nolato Malaysia, my role involves managing strategic key accounts, ensuring we build strong partnerships with our valued customers. In addition to this, I also oversee Nolato Malaysia's LinkedIn presence, where I share updates on our achievements, capabilities, and innovations. What excites me most about my job is the opportunity to engage with a wide range of people. I enjoy collaborating with individuals across different functions, backgrounds, and expertise. Whether it's working closely with internal teams or interacting with clients, each experience broadens my perspective and enhances my ability to drive successful outcomes. Being part of such a dynamic environment keeps my role both challenging and rewarding.

**What are your biggest challenges, and how do you handle them?** One of the biggest challenges I face in my role is managing people and communication. Every individual has their own personality, perspective, and way of processing information, which can sometimes make collaboration complex. To overcome this, I focus on understanding the person I'm dealing with - their communication style, what they want to hear, and equally important, what they don't want to hear. By tailoring my approach accordingly, I can deliver information in a way that resonates with them, ensuring clear communication and effective collaboration. Beyond that, I believe that a key part of leadership is empowering others to succeed. I make it a priority to provide guidance, share knowledge, and create an environment where team members

feel supported and confident to take ownership of their roles. I aim to help my colleagues develop their skills and unlock their full potential. This combination of adaptability, mentorship, and support has helped me build stronger relationships, resolve conflicts, and achieve better outcomes in both internal teamwork and customer engagements.

### **What's your best experience at Nolato?**

One of my most memorable experiences at Nolato Malaysia was winning a challenging project that required close collaboration with our sourcing and engineering teams. The project was particularly demanding because it wasn't just about meeting the customer's requirements - we also faced a major hurdle in securing supplier support for the required material. To overcome this, our team dedicated significant time developing a clear strategy, engaging in extensive discussions with both the customer and the supplier. It was crucial to align all parties, ensuring the customer was confident in our solution while convincing the supplier to support us with the necessary material. Through teamwork, persistence, and effective communication, we successfully secured the project from a strong competitor. This achievement was especially rewarding because it demonstrated the power of collaboration, strategic thinking, and resilience.

### **What makes Nolato a great employer?**

What truly sets Nolato apart as an employer is its unique approach to fostering trust, empowerment, and accountability - values that resonate with the principles outlined in the book "No Rules Rules" by Reed Hastings and Erin Meyer. This book, introduced by our Managing Director, Dan Wong, highlights the importance of creating a workplace culture that embraces freedom with responsibility. At Nolato, employees are encouraged to take ownership of their work, make decisions confidently, and challenge ideas openly. This level of trust empowers individuals to innovate and contribute meaningfully without being restricted by excessive rules or micromanagement. Just like in the book, Nolato focuses on building a high-performing team where clear communication, mutual respect, and shared goals drive success. This progressive mindset not only enhances collaboration but also nurtures a positive working environment where employees feel valued and motivated to excel.



**Describe Nolato in three words.**

Innovative - Collaborative - Empowering

**Do you have a hobby that inspires your work?**

As a father of two energetic little ones - my "two monsters" - life outside of work is always lively and full of surprises. Beyond my role at Nolato, I dedicate a lot of my free time to drawing, sketching, and watercolor painting. These creative activities not only allow me to unwind but also inspire my work. Art has taught me patience, attention to detail, and the importance of seeing

things from different perspectives - all of which are valuable in my role. Just like in painting, achieving the best results at work often requires creativity, strategic thinking, and a willingness to experiment with new ideas.

**What's your top advice for someone wanting to join Nolato?**

If you're thinking about joining Nolato, my advice would be to stay humble and dare to embrace change. Being humble allows you to learn from others, build strong relationships, and continuously

improve. Nolato's collaborative environment thrives on teamwork, where everyone's contribution matters. At the same time, embracing change is crucial. The industry is constantly evolving, and being open to new ideas, processes, and challenges will help you adapt and grow. By combining these qualities, you'll be well-equipped to succeed and make a meaningful impact at Nolato. ■

## Empowering Nolato Talents Through the UN's SDG Innovation Program

**As an active member of the UN Global Compact, Nolato has long championed innovative sustainable solutions that aligns and supports the UN's Sustainable Development Goals. In this context, the company was invited to participate in the UN's Nordic SDG Innovation Accelerator for Young Professionals 2025, with three employees from the Nolato Group selected to participate.**

The three chosen high-performing young Nolato employees are respectively from Nolato's Swedish companies in Lomma, Hörby, and the Cerbo facility in Trollhättan. Although the young talents have a mentor at their disposal, they enjoy a great deal of self-determination over which activities and direction they take in connection with the program. The focal point of Nolato's project within this program is the creation of circular solutions, including a specific initiative in setting up a program to be able to re-use production equipment that promote more sustainable resource use.

"Having our young talents participate in the SDG innovation program is rewarding for the participant, but also

of great value to our organization. As a responsible employer, we strive to ensure that growth opportunities and professional development are accessible and tangible to all our employees. This is a great opportunity for these three young professionals to grow both professionally and personally, and also undertake new projects that lie outside their regular work responsibilities, while gaining new tools and knowledge that they can leverage throughout their careers. We are following their journey closely and are excited for the inspiration, insights, and knowledge they can share with the rest of us," says Kristian Sandberg, Sustainability Manager at Nolato.

The SDG innovation program is designed to foster collaboration among participants and drive business innovation that aligns with the Sustainable Development Goals (SDGs). It runs for nine months alongside participants' regular work responsibilities, and there is a requirement that participants must be under the age of 35. In the program, participants learn to create and apply innovative solutions using advanced technologies, initiatives, and business models that help

companies achieve their sustainability goals. ■



*Maja Tagesson, Nolato MediTech-Hörby, Alexander Särebörn, Nolato Cerbo and Jenny Biver, Engagement Manager at UN Global Compact Network Sweden. Missing on the picture: Linda Forsenberg, Nolato MediTech-Lomma.*



## Nolato Lövepac Invests in the Latest Die-Cutting Technology

**For decades, Nolato Lövepac has supported the automotive, medical, and other industries with product development and the manufacturing of gaskets, seals, and tape-based solutions. In recent times, the company has invested in a new state-of-the-art rotary die-cutting machine, which was installed and taken into operation at the start of 2025.**

*“A growing trend is that more and more companies are relocating their production to Europe from Asia. With the latest die-cutting techniques in place, we are equipped to meet customers’ local production needs while offering our customers an even broader range of services and solutions, underlining Nolato’s ambition to be a long-term partner in advanced manufacturing,”* says Jesper Johansson, Marketing and Sales Manager at Nolato Lövepac.

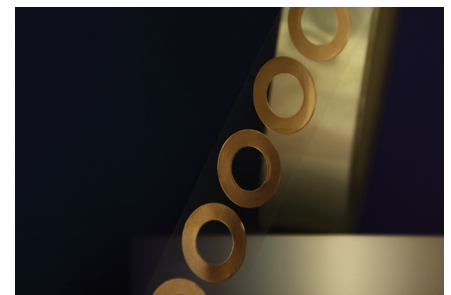
The machine is equipped with eight punching boxes, allowing it to process different sections or material types at the same time. This simultaneous operation enhances productivity and reduces overall processing time compared

to older models. The new die-cutting machine also has integrated flatbed punching and is equipped with a camera system to monitor and inspect the punching process in real-time, ensuring high precision and quality control. Thus, it can produce more complex parts with higher quality and speed than before, improving both efficiency and overall quality. Furthermore, the machine’s advanced features can help reduce scrap waste, and its low maintenance requirements make it easier to manage.

*“With the new die-cutting machine, we can take on more complex assignments, applications and do multi-layer gaskets and products with a very high speed, precision and quality and serve new markets, we’re excited about the possibilities this brings and confident in our ability to remain at the forefront of the industry,”* says Agron Ramadani, Project and IT Manager, at Nolato Lövepac.

Another big advantage is its versatility and flexibility. This machine can handle a broader range of materials, from thin metal foils to thick foamed materials. It also gives customers the opportunity to

streamline their production with automatic assembly. Moreover, the various possible designs enable the company to take on more complex projects, drive innovation, and provide better service. Additionally, Nolato Lövepac is expanding its offerings and can serve new customer segments, such as the electronics industry. ■



### **Nolato Lövepac**

**Locations:** Skånes Fagerhult, SE

**Employees:** 67

Supports product development and production of gaskets, seals and tape-based solutions through the conversion of raw materials using automated die-cutting and assembly.

SUSTAINABILITY RECOGNITION

# Financial Times Recognizes Nolato as a Climate Leader



**Nolato has for the second consecutive year been recognized on the Financial Times' Europe Climate Leaders list for 2025, this time with an improved ranking compared to last year. This testifies to the company's ongoing and ambitious sustainability work and objectives of reducing the emissions of greenhouse gases (GHG) and enhancing the company's environmental performance.**

The Europe Climate Leaders list is issued annually by the Financial Times, highlighting European companies based on their progress in reducing greenhouse gas emissions, including reduction in their Scope 1 and 2 GHG emissions intensity over a five-year period, with the list of 2025 reflecting the period 2018 to 2023. The list is compiled by the Financial Times in partnership with Statista, using data from several sources and platforms. It evaluates companies based on six different parameters, including CDP disclosures, commitment to the Science Based Targets initiative (SBTi), reductions in

core emissions, Scope 1 and 2, greenhouse gas emissions, and transparency in Scope 3 emissions, which all contribute to a combined score that determines a company's final ranking.

*"Being recognized on the Europe Climate Leaders list is a source of pride and a testament to our long-standing, focused, and systematic sustainability efforts. The fact that this year we have also improved our score further reinforces that we have the right focus and ambitions, and underlines that we are significantly progressing in achieving reductions in our greenhouse gas emissions and overall climate impact,"* says Kristian Sandberg, Sustainability Manager at Nolato.

Nolato was first included on the list in 2024 with a score of 62.6. In 2025, the company significantly improved its performance, achieving a score of 74.7, ranking 12th among Swedish companies on the list. The overall improved performance can be attributed, among others, to the fact that Nolato had its science-based targets officially validated last year, confirming that they align with

climate science and that Nolato's emissions reduction targets are consistent with the objectives of the Paris Agreement. Additionally, the company has achieved improved results through its reduction pathway, with a significant reduction of 67% of our core emissions in absolute numbers during this time period.

*"Being named as a European Climate Leader underscores that we are an ever-evolving company aiming to be environmentally sustainable, and it shows our customers and other stakeholders that we are doing a comprehensive and significant effort of reducing emissions. It also brings additional value in the sense of being an attractive employer as a responsible, sustainable company. Looking ahead, we have a sustained focus and continue our commitment to reducing greenhouse gas emissions and becoming a net-zero company. Thus, we are establishing our net-zero plan to become validated by the SBTi, and the focus ahead is also to prioritize cutting our Scope 3 emissions,"* says Kristian Sandberg. ■



Well-trained team members means higher precision, better collaboration, and greater value for our customers.

## Nolato Academy: Expanding and Uniting Minds Across the Organization With Scientific Molding Training Courses

As a cornerstone of Nolato's business, molding is an area in which continuous development, innovation and strong know-how are crucial to maintaining the company's leading position in the design and manufacture of molding solutions. Since 2022, Nolato has invited its employees to undertake scientific molding programs to strengthen the organization as a whole and the individual employee's competences. An initiative that has proven successful and with prospects of being further developed and even offered outside the Nolato Group.

The scientific molding training courses are developed and taught by Swedish Fredrik Ullman from the Technical Design Center (TDC), the support function at the Nolato Group, where he supports scientific molding operations at various Nolato sites in Europe.

Currently, Fredrik Ullman teaches the scientific molding courses across Nolato's companies in Europe, but also in

the USA, Nolato colleague and molding specialist Chris Alibozek from TDC Nolato teaches the scientific molding programs, and in the USA these courses are also offered to Nolato customers.

### Defining and understanding the discipline of scientific molding

According to Fredrik Ullman, scientific molding is more of a mindset or approach rather than the traditional molding technique. In conventional molding, the focus is primarily on the parameters set in the machine during the production of plastic parts. However, scientific molding emphasizes understanding and analyzing the results of those machine settings. Thus, the focus shifts from input parameters to output results, understanding the processing of material from a molecular perspective. Fredrik Ullman defines as follows:

- Scientific molding deals with the

actual plastic that enters the mold during the molding operation at the molding machine. Scientific molding is understanding the science behind molding.

Ullman advocates that everyone in the organization can benefit from this training regardless of their level of knowledge or experience and interface with injection molding.

- Understanding injection molding from a scientific perspective sets a strong foundation for doing a good and meaningful work regardless of your role at Nolato. Whether you work in product development, design, sales or production, having a clear and profound understanding of the injection molding process itself, polymer materials and the making of the very molds is invaluable. Mastering the fundamentals equips you to craft a vision for the final

product with precision and intention. Since Fredrik Ullman started teaching the courses three years ago, over 300 employees across Nolato have participated in his scientific molding classes. Notably, about half of these participants do not work in production, highlighting the great span of attendees, which also covers individuals from management, finance department, sales and tool shop.

- I particularly enjoy teaching our introductory classes. I always tailor the content as needed to suit the audience, and questions are highly encouraged during my classes.

### About the courses

The scientific molding courses offered in Nolato include five courses taught in English and three in Swedish reflecting different levels of scientific molding.

For the more advanced training, Nolato has adopted and applied the teachings and principles of RJG, a leading education company in injection molding, well-known for expertise in molding in the medical industry. In USA, Chris Alibozek has long worked with RJG training materials, and since 2024 Fredrik Ullman has also been a qualified trainer for the RJG education program.

### Creating a common language across the Nolato functions

In addition to elevating the knowledge and skills of the program participants, having internal scientific molding programs bring along many benefits to the organization. Among these is improving and fostering the internal alignment as employees gain a shared and broad understanding of injection molding – the very core business in Nolato, even for those who don't work directly with it. In this way, internal training courses effectively promote mutual understanding and collaboration among employees.

Furthermore, undertaking a scientific molding course enhances employees' communication skills by unifying their professional language and providing a shared injection molding vocabulary. This not only facilitates smoother internal communication among employees but also improves interaction with custo-

mers. When salespeople or product designers use accurate definitions and designations, they demonstrate proficient capability, fostering stronger and trustful customer relationships.

Overall, this translates to enhanced competitiveness for Nolato by equipping employees with greater knowledge, improved communication skills, and the expertise of several high-level certified scientific molding specialists. Thereby, Nolato demonstrates to existing and potential customers that the company takes the utmost care and seriousness maintaining a wide and skilled workforce, staying at the forefront of the latest technological advancements in scientific molding.

### Welcoming reception and continued development of the programs

The courses have gotten off to a good start, and moving forward Fredrik Ullman

will remain busy and actively continue to develop and adapt the courses for different audiences. Feedback from participants in the scientific molding courses has been overwhelmingly positive, with many expressing a wish that they had received this training earlier.

For the future, Ullman looks forward to further solidifying Nolato Academy by expanding courses across the Group and eventually towards customers in Europe. Furthermore, the courses will be developed in-depth by introducing several advanced RJG classes, thus further fine-tuning and unifying internal knowledge and expertise at Nolato. ■



*Fredrik Ullman has extensive experience in injection molding techniques, having worked in the plastics industry for over 25 years, including in product development.*

# Pharma Packaging with a Lighter Footprint



Nolato's Cerbo Solid 20 ml pharmaceutical packaging, and childproof cap, are made of PE plastic and PP plastic, respectively. Significant parts of Nolato's standard range of pharmaceutical packaging are available in renewable, bio-based or mass-balanced raw materials. To achieve its CO2 reduction targets, a large customer opted to have Nolato produce the packaging with mass-balanced raw materials. Mass balancing is a method that enables

using, in the regular production process of plastic granules, renewable raw materials without changing either the production line or the product specification, which offers major advantages in the regulated pharmaceutical market.

We apply this method in the manufacture of containers and closures of polyolefin-based materials, in which the proportion of renewable raw material is tracked according to International Sustainability and Carbon Certification (ISCC Plus). Through mass balancing, fossil and renewable raw materials are mixed in the manufacturing process of plastic granules. After some adjustments of the process parameters, the same production tooling can be used as in traditional manufacturing. That way, the method enables the industry to

replace fossil raw materials with renewable alternatives gradually, thus giving a lower climate impact without compromising product quality.

In line with the customer's wishes in this case 50% bio-based raw materials were used, from used bio-based oil such as used cooking oil. With an annual volume of 7.5 million packages, the shift to mass-balanced raw materials meant that the customer could reduce its CO2e emissions by as much as 155 tons annually.

By opting for mass balancing, it was therefore easy for us to gradually start using renewable raw materials in production, reduce the customer's dependence on fossil resources and lower their carbon footprint – without compromising quality or efficiency. ■



## Together, We Are Nolato

### Kim Olsson

**Roll:** Production Technician  
**Company:** Nolato Lövepac, Skånes Fagerhult, Sweden

**What do you do at Nolato, and what do you enjoy most?** I work as a Production Technician at Nolato, and what I find most exciting is the incredible variety in my role. No two days are the same, which keeps things interesting and dynamic.

**What are your biggest challenges, and how do you handle them?** My biggest challenges usually involve solving unexpected issues - anything from restarting a stalled machine to finding smarter ways to streamline production. I always collaborate with my colleagues to work through challenges together and

find the best solutions.

**What's your best experience at Nolato?**

After more than ten years here, I've collected many great memories. The Christmas and summer parties really stand out - they've created lasting bonds and a strong sense of community.

**What makes Nolato a great employer?**

Nolato genuinely cares about its employees and offers real opportunities for growth and development. That level of support makes a big difference.

**Describe Nolato in three words.**

Quality. Forward-thinking. Welcoming.

**Do you have a hobby that inspires your work?** Fitness is a big part of my life.

Staying active helps me stay focused and energized at work.

**What's your top advice for someone wanting to join Nolato?** Listen to your

experienced coworkers - they have so much valuable insight to share. It's a great place to learn and grow. ■





### Key Features at a Glance

#### What it does:

- Detects food allergens in under 60 seconds
- Uses molecular recognition technology
- Worn like jewelry – discreet and portable

#### Inside the device:

- Built-in grinder for food sampling
- Sensor, chip, battery & Bluetooth connectivity
- Developed for ultra-compact design with high sensitivity

the Allergy Amulet meets stringent demands on both function and quality, while offering an innovative and user-friendly solution for food allergy sufferers.

#### Advanced technology placed strict demands on production

For Nolato, the Allergy Amulet is a project that is fully in line with the Group's skills and technical expertise. Nolato was tasked with developing a complete product, in which both advanced technology and design are key.

The customer had exacting requirements for the product to be compact in its technically advanced design. Nolato manufactured all plastic components, decorated them and assembled the product in its own production line. Despite its small size, the Allergy Amulet contains a range of advanced components including a sensor, chip, battery and charger. Analysis is performed using a small built-in grinder where the food sample is placed, together with a specially developed chip-based reader that identifies the allergen's molecular fingerprint. Synchronisation with a phone over Bluetooth further enhances user-friendliness.

Nolato not only provided assembly, but also served as a sounding board to ensure that the solution worked in the small format, while being cost-effective in production and aesthetically pleasing. Since the project spanned the entire process – from idea to a producible solution – this is a strong reference case that demonstrates the breadth of Nolato's offering. ■

## Allergy Amulet – Increased Safety for Food Allergy Sufferers

**For people with severe food allergies, every meal can pose a risk, whether at home or a restaurant. Allergy Amulet offers an innovative solution for improving safety in everyday life – a portable device that can quickly and easily identify allergens in food. With this cutting-edge technology, people with food allergies have a powerful tool to minimize risks and take control of their health. Nolato was a partner in developing and manufacturing the product.**


**A valuable aid for food allergy sufferers**  
US company Amulet Inc. has developed a product that combines advanced technology with ease of use and that provides better insight food content. The Allergy Amulet product is a small,

discreet and rapid allergy sensor, which can be worn as a piece of jewelry around the neck.

Producing it placed strict demands on both design and functionality. By analyzing a food sample in less than a minute, the sensor provides a clear indication of whether traces of the specific allergen are present in the sample. The highly sensitive technology can detect even very low levels of an allergen, making it a valuable solution for people with severe food allergies.

The product has been developed in collaboration with Nolato and can, in terms of its specifications, belong to both the Medical Solutions and Engineered Solutions business areas. By leveraging

Nolato's expertise in medical technology and advanced technical solutions,



CICULAR SOLUTIONS

# Transforming waste materials into value

At Nolato Plastteknik, a regrinding line was initiated in 2024, which converts plastic package/product waste into “regrinded” material. Production scrap are thus turned into valuable recycled materials that can be used in other production contexts, externally or within the Nolato Group/ across the Nolato entities. Some of the material is sold to and reused by the sister company Nolato Polymer for the manufacture of furniture products, where the regrinded raw material is remolded to become articles for an office chair that Nolato helps manufacture for its customer Kinnarps.



It is important to show the world that recycled material does not equal reduced quality and help inspire customers and other players in the industry on how we can rethink our resource use and develop sustainable and efficient recycling lines.

Nolato is always working on identifying initiatives and value creation processes, focused on improving operations while being cost-effective and sustainability-oriented. In spring 2024, a technical team was tasked with exploring how Nolato could improve its approach and handling of the discarding of in-house produced products. In August 2024, a newly developed recycling line became operational, with initial tests being successful.

“From the idea to being in operation, the project moved quickly. Thanks to strong internal support and a dedicated team, including operators who adopted new habits, we were able to make this new line an integral part of our operations seamlessly,” said Kadhim Al-Hajar, Project Engineer at Nolato Plastteknik.

The regrinding line involves inserting production scrap, specifically polypropylene, into a grinding machine, which grinds it into regrinded usable polymer raw material. The grinder is equipped with a metal detector, ensuring clean and safe grinding that results in refined, high-quality regrinded material. This material is then sold to other Nolato companies, like Nolato Polymer or external polymer converting manufacturers, for use in the production of new polymer products. At Nolato Polymer, the regrinded polymer raw material is remolded into new polymer articles, such as clamp plates, which are components used in the assembly of office chairs produced by Kinnarps. Since different colors of

polymers are mixed in the grinder, the resulting regrinded polymer material is best suited for use in non-visible components of products, making it ideal for applications like the clamp plates hidden in chairs.

“We are pleased that Kinnarps, like us, sees the value in using recycled material and has implemented it into its manufacturing. At Nolato, we aim to be able to support even more customers who are keen on utilizing this kind of recycled material in their manufacturing processes, and together we explore and identify opportunities within their design and manufacturing processes, thus helping to be innovative from a sustainability standpoint”, said Anders Højman, Materials Engineer at Nolato Polymer.

As a global corporation, Nolato encourages collaboration among its companies by leveraging shared know-how, insights, and experience with the aim of increased innovation, sustainability, and ultimately creating value for its customers. Going forward, the Nolato Plastteknik is looking to scale up the regrinding line and develop new application areas for the recycled materials.

“This regrinding line shows that we have a hands-on approach to sustainability, tailoring internal solutions for recycling materials. It’s a good example of a success story of collaboration across sister companies, sustainable manufacturing and product

design, as well as innovative thinking & ideation by our skilled employees. By having the regrinding line in-house and complete control over what goes through this grinding machine, we can guarantee

that this granulate is of the highest quality. In fact, we call it “prime grind” to emphasize its superior quality. It is important to show the world that recycled material does not equal reduced quality and help inspire customers and other players in the industry on how we can rethink our resource use and develop sustainable and efficient recycling lines,” says Nicklas Andersson, Sales Manager at Nolato Plastteknik. ■

#### **Nolato Plastteknik**

**Location:** Hisings Backa, SE

**Employees:** 93

Offers advanced injection molding of thermoplastics, and efficient component assembly. They work closely with customers' development specialists to support the whole process, from concept to finished product.

#### **Nolato Polymer**

**Location:** Torekov, SE

**Employees:** 88

Specialized in advanced injection molding of thermoplastics, silicone, and rubber, combined with efficient component assembly.

**||** The new project marks an important step for Nolato and confirms the Group's competitive offering in terms of capabilities for delivering large-scale solutions and creating new possibilities for future customers.



## Increased Global Demand for Autoinjectors for Nolato

In recent years, autoinjectors and pen injectors have become an increasingly important means for healthcare providers to enable safe and simple self-administration of medication for patients. With technological advances and heightened demand for self-medication to treat chronic diseases, injection systems for self-administration are now established as a user-friendly and effective solution. During the year, Nolato achieved a milestone in the Medical Solutions business area through a substantial order in this fast-growing segment, and is now expanding its production to meet global demand, especially for overweight and diabetes treatments.

### **The success of injection systems for self-administration – improves patient independence**

Autoinjectors are becoming increasingly popular in the pharmaceutical industry to simplify self-administration of medication. They enable safe and simple administration of medication at home, especially for the treatment of chronic diseases such as diabetes, multiple sclerosis (MS), hormone therapy and weight loss, reducing the need for hospital visits and freeing up healthcare resources. The growing demand is driven by technological advances, an aging population and increased acceptance of self-medication after the pandemic. Injection systems for self-administration

give a high level of conformity and minimize the risk of incorrect dosage, improving the patient's quality of life.

### **Major order for pen injectors for Nolato**

In 2024, Nolato secured a long-term cooperation agreement with an existing customer for the production of components for pen injectors for the treatment of diabetes and overweight, with expected annual sales of SEK 700 million. Deliveries will commence at the end of 2025, and Nolato is investing SEK 600 million in capacity expansion in Hungary, which in practice involves extending its existing premises and installing new production lines and machinery.

### Nolato's combined expertise supports quality assurance

In setting up the new production lines in Hungary, Nolato's Technical Design Center is providing project management, quality assurance, and exchange of knowledge to ensure the best possible results in cooperation with the customer. Nolato's sister companies are also involved to ensure the highest possible quality. Establishing an integrated production solution in Hungary strengthens Nolato's position as a reliable partner in the pharmaceutical industry.

Under the agreement with the customer, Nolato will manufacture pen injector

components, involving injection molding and sub-assembly of the product. Manufacturing requires stable process control with high purity standards and systems that ensure that all requirements set out by industry standards are met. Nolato works closely with the customer to ensure production standards and optimize processes.

### Trust and expertise secure business

Nolato's long-term focus on security of supply, quality and precision has built up trust and secured successful business.

The exacting demands of the pharmaceutical industry are met by efficient

production facilities, the ability to swiftly scale up and a high level of in-house expertise, positioning Nolato as a strong partner in the industry.

The new project marks an important step for Nolato and confirms the Group's competitive offering in terms of capabilities for delivering large-scale solutions and creating new possibilities for future customers. Besides commercial success, it is valuable for Nolato to be part of solutions to global health challenges, helping achieve improved health and well-being through effective treatments. ■



## Extensive investment for expanded capacity

Nolato is investing extensively in its existing plant in Hungary to meet customer demand for pen injectors. The project can be summarized in the following figures:

- Scope: A building of approximately 9,000 square meters is dedicated to the new production, including both conversion and extension.
- Investment: A total of SEK 600 million is being invested in the plant, which includes production facilities,

machinery and other equipment.

- Capacity: Production will include 60 injection molding machines and three new assembly lines.
- Financial potential: When the plant is fully utilized, annual sales are expected to amount to SEK 700 million.
- Job creation: The new production lines will create over 200 jobs.
- Schedule: The upgraded factory is scheduled to be operational at the end of 2025. ■

### Nolato Hungary

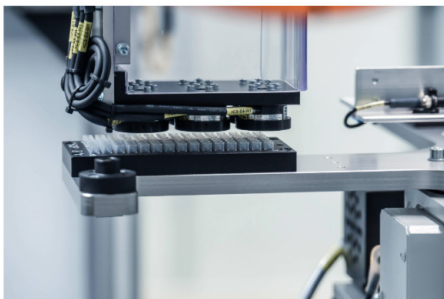
**Location:** Mosonmagyaróvár, HU  
**Employees:** 737

A high-tech solutions provider serving various industries, offering advanced injection molding, complex assemblies, and specialties like EMI, TIM, and silicone sealing.

SMART MANUFACTURING

# Innovation Driving Superior Quality

In today's manufacturing landscape, efficiency, quality, and flexibility are crucial. Oliver Büchel, responsible for automation at Nolato Treff AG, shares insights into the latest advancements that are revolutionizing injection molding production through state-of-the-art technologies.



## Artificial intelligence ensures top-level quality assurance

A key innovation at Nolato Treff AG is the use of artificial intelligence (AI) in quality control. This is particularly vital for the production of complex plastic components with stringent quality requirements, such as those used in the medical and food industries. AI-supported camera systems detect even the smallest defects—imper-



ceptible to the naked eye or conventional cameras. For instance, surface quality of micro-components is verified or radial shaft seals from suppliers are checked for irregularities. These AI systems are trained to identify anomalies in shape, size, and material consistency with precision, while distinguishing harmless production variations, significantly reducing scrap rates.

"These technologies not only eliminate defects but also allow us to adjust production speeds while consistently meeting our high-quality standards," emphasizes Oliver Büchel.

## Continuous monitoring of inspection and measuring systems

Measurement systems are only effective if they function correctly. That's why all testing and measuring systems integrated into our automation lines are regularly verified in a fully automated process. Production halts automatically if the verification fails.

"This clearly reflects Nolato's strong commitment to quality and ensures high production reliability. It guarantees that no defective parts reach the customer and that any potential measuring system faults are detected early," Büchel explains further.

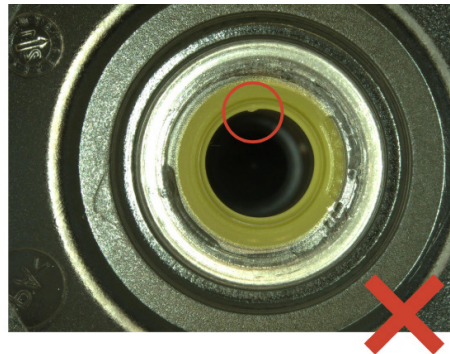
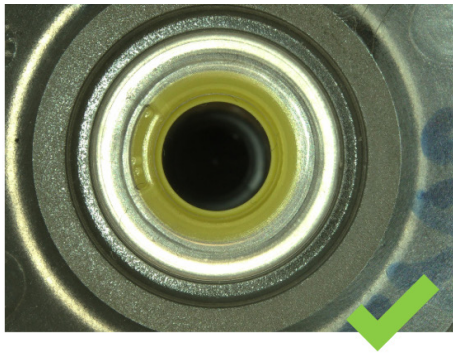
## Nolato Treff

**Location:** Degersheim, CH

**Employees:** 285

Offers high precision injection molded products used in medical, food and industrial applications.

**Interview with Oliver Büchel,  
Head of Automation.**



### Greater sustainability through smart automation

Nolato Treff AG's drive for innovation is rooted not only in technological excellence but also in a strong sense of environmental and social responsibility. Sustainable production methods, early detection of process deviations, and adherence to stringent quality and safety standards all play a role. The better the processes are planned and managed, the lower the levels of waste, downtime, and inefficiencies.

Büchel underscores the importance of the "One Nolato" approach: "Our solutions are tailored to the unique needs of our clients. At the same time, we ensure our processes are resource-efficient and aligned with the highest ethical standards." ■

### Advanced robotics for agile production

In addition to AI, Nolato Treff AG relies on cutting-edge robotics. A flexible feeding system enables robots to pick components with precision using camera data, adapting swiftly to varying part sizes. Thanks to an automated quick-change gripper system and rapid emptying functions, product changeovers take only minutes.

In another application, a robot autonomously loads transport carts in a clean-room environment—essential for hygiene and efficiency. This robotic arm operates in a semi-collaborative mode: it slows down automatically when changing carts and resumes normal operation when a new cart is ready. This is a seamless blend of flexibility and efficiency.



■ ■ We're not just a manufacturer. We're a development partner - helping customers solve challenges early, shorten lead times, and bring better products to market faster.

## Adapting to a Shifting Global Landscape

### How Nolato meets the demand for faster, smarter manufacturing partnerships

Across industries, the pace of product development is accelerating. Customers are seeking ways to bring solutions to market faster while managing increased complexity, regional regulations, and growing cost pressures. For Nolato, these global shifts are creating new opportunities to serve as a long-term, high-tech partner in development and production.

### From supplier to strategic partner

*"Many of our customers are streamlining their organizations and focusing tightly on their core competencies," explains Christer Wahlquist, Nolato's President and CEO. "That creates space for us to step in - not just as a manufacturer, but as a development partner who can add value early in the process."* By getting involved in the design and planning stages, Nolato helps customers reduce development time, avoid costly

re-designs, and optimize for manufacturability from the outset.

### Global reach, local support

With operations in more than ten countries across Europe, Asia, and North America, Nolato combines global strength with local responsiveness. This setup ensures proximity to customer markets while enabling efficient coordination across continents.

Whether a project requires high-precision molding, electronics integration, or complete system production, Nolato's teams can support development and manufacturing where it makes the most sense - both geographically and technically.

### Early Involvement Drives Results

A key enabler of this partnership model is Nolato's Technical Design Centers (TDCs), which offer advanced support in materials selection, product design, simulation, and industrialization. Involving TDC specialists early helps

customers make smarter choices - balancing performance, cost-efficiency, and speed.

*"Whether it's medical devices, industrial components, or electronics, time-to-market is critical," Christer Wahlquist says. "Being able to design, prototype, test, and scale production with one partner creates a clear competitive edge."*

### A Partner for the Pace of Change

As industries evolve and complexity increases, Nolato continues to adapt - focusing on agility, innovation, and customer proximity. The ability to offer both end-to-end solutions and focused development support allows Nolato to meet rising expectations for speed, precision, and partnership.

*"At the end of the day, our role is to help customers solve challenges earlier, shorten lead times, and bring better products to market faster." ■*

## Thank you for reading

Explore more stories, updates, and insights at:

[www.nolato.com](http://www.nolato.com)

Scan to follow  
Nolato's journey

