

# PAS-X News



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### Dear customers,

We are proud to announce that we are entering a **new dimension** with our PAS-X software products, content and services. For many of our customers, PAS-X has been the reliable and market-leading MES throughout the years. **But PAS-X is more than MES!** We have profoundly enhanced our PAS-X portfolio to help you unlock the full potential of your business.

### PAS-X extended. A new dimension.

With the Intelligence Suite, our **extended PAS-X** portfolio now also contains data management and analytics, providing an expanded basis for **specific solutions for pharma, biotech and cell & gene** – no matter how big or small your business is. Learn more about the new PAS-X dimension in our latest **customer projects**. Find out how we drive the quality of **cell & gene** therapy manufacturing and logistics and how we support the **largest CMO customer base** in the industry with high-efficient manufacturing execution.

But that's not all: We keep improving our MES Suite. With the **release of PAS-X MES 3.3**, we lead the transformation of pharma manufacturing operations. Our NextGen MES is designed to extend the MES experience, delivering the industry leading application, focused on addressing key challenges of the industry.

You can choose how you want to run our market-leading MES – in your data center, in the cloud or as PAS-X SaaS – all with the fastest time to market ever!

For PAS-X MES – and our PAS-X Packaging solution – we have been honored with the **Asia-Pacific Bioprocessing Excellence Award** for the fourth consecutive year. Finally, with **“PEP talks – the Pharmaceutical Expert Podcast”** we successfully started a new information channel.

As of this year, Werum IT Solutions is officially renamed to Körber Pharma Software. As part of the Business Area Pharma, your global pharma technology partner, we deliver a **unique offering of integrated solutions**, spanning consultancy, inspection, handling, packaging machines and materials, track and trace, and industry leading software, giving you everything you need to **unlock the potential** of your productivity and your business. Try us!

Yours sincerely



Christoph Fink  
COO Software, Körber  
Business Area Pharma

Jens Woehlbier  
CEO Software, Körber  
Business Area Pharma



# New England Biolabs streamlines process validation & verification with Werum PAS-X Savvy

**At New England Biolabs® (NEB®), a recognized world leader in the discovery and production of enzymes for molecular biology applications, efficient data collection and analysis is essential in bioprocess development and commercial production – to understand process behavior, to investigate the influence of process parameters on quality and yield, or to ensure that critical parameters or quality attributes are within the desired range. Until recently, however, data analysis processes at NEB left a lot of room for improvement.**



“Monitoring bioprocesses is very challenging,” explains Bryce Causey, Fermentation and Process Development Manager at New England Biolabs. “Because of their complexity, we have to analyze data on a large number of parameters and from different sources. Nevertheless, monitoring should happen automatically and holistically.”

Especially for multi-unit reactors, the logged data volumes quickly become very large. The equipment used in the NEB laboratories comes from various manufacturers and offers only limited data processing functionality. The NEB process experts therefore used to export online monitoring data from their systems into Microsoft Excel and analyzed them together with offline measurement data from samples. This approach was not only very labor-intensive and time-consuming, but also had inherent limitations. A particular problem was that it was difficult or even impossible to overlay different data types.

Thus, it was hard to make comparisons between groups of fermentation data or to combine data for several variables in one plot.

To overcome these problems and gain more control over process characterization, validation and verification, NEB decided to use Werum PAS-X Savvy as its new consolidated data processing platform. PAS-X Savvy is a data science software tool for biotechnological production processes also supporting real time data tracking. It features advanced process data visualization capabilities, unique mechanistic algorithms, information mining routines and a simulation framework.

The new solution went live at the Ipswich, Massachusetts site. Now, monitoring data from NEB’s experimentation equipment are automatically transferred to PAS-X Savvy. Analysis data of samples, for example from Roche’s Cedex Bio HT Analyzer, will be imported and contextualized automatically when stored in a dedicated folder at NEB. In this way, the effort for data collection and consolidation is greatly reduced. Furthermore, PAS-X Savvy facilitates data contextualization, analysis and visualization. Plotting various data simultaneously helps to detect trends and correlations in order to identify potential problems and to support scale-up.

**“With the help of PAS-X Savvy, we can monitor production parameters much more efficiently.”**

**Bryce Causey**  
Fermentation and Process Development Manager  
New England Biolabs



# McNeil Helsingborg cuts manual data entries by 50% through digitized processes

McNeil Consumer Healthcare has successfully upgraded and extended its Werum PAS-X MES at its Swedish production site in Helsingborg. McNeil is an American medical products company belonging to the Johnson & Johnson healthcare products group. It primarily sells fast-moving consumer goods such as over-the-counter drugs. The Helsingborg facility serves as a global center for the research, development and production of smoking cessation products under the brand name Nicorette®.



The company uses various IT systems in production such as PAS-X MES, ERP and automation systems, but the data exchange between them was done manually. The data exchange should be automated to reduce unnecessary manual work and the associated risks such as human error and quality deviations. For this reason, McNeil introduced the latest version of Werum PAS-X MES with PAS-X MSI Plug & Produce. The company can thus use standard interfaces for the integration of level 2 and 4 middleware including ERP.

“We are the first Johnson & Johnson site to benefit from PAS-X MSI Plug & Produce, the message-based shop floor integration solution from Körber”, says Stefan Nilsson, Senior IT Analyst at McNeil Consumer Healthcare. “PAS-X MES and the surrounding IT systems now communicate directly with each other, cutting manual data entries by 50% and greatly reducing complexity and maintenance effort.”

**“PAS-X MES and the surrounding IT systems communicate directly with each other, cutting manual data entries by 50%.”**

Stefan Nilsson  
Senior IT Analyst  
McNeil Consumer Healthcare

# Global biopharmaceutical major updates sites to latest MES core version to benefit from standardized processes

**A global, science-led biopharmaceutical company has taken the latest version of its standard MES core system live at its manufacturing facilities in Sweden and the US. A key requirement of the customer was the harmonization and standardization of the diverse MES landscape across its global production network.**

For this reason, the company opted for Körber as its preferred MES supplier and established a global standard MES core system on the basis of Werum PAS-X MES. The core system is continuously further developed and rolled out so that all production sites are always up to date.

“The standardized MES usage ensures the development of global content, which allows us to both standardize our processes and reduce implementation effort during global rollout,” says the MES Global System Owner of the biopharmaceutical major. “Having our sites leverage standard processes and templates also allows us to more effectively drive continuous improvement, leveraging learnings across the network.”

In the pharmaceutical plants in Sweden, the core system was not only updated, but also rolled out into other areas, extending its use to electronic batch recording and further replacing the heavily customized PAS-X MES V3 based system in a phased approach. Right next-door in the newly constructed biologics facility, the core MES is currently being rolled out.

The rollout of the new PAS-X MES core in the US, a pharma formulation and packaging plant, has resulted in vast performance improvements leading to increased OEE and a far better end user experience. A special feature in this plant is the integration of OSIsoft PI Historian and other databases, so that production data can be recorded and processes optimized.

As part of the ongoing global rollout, further production facilities in China, India, UK and the USA are planned to be upgraded to the latest core version. The company is also looking to taking it a step further by getting an early insight into PAS-X MES 3.3. The intention is to evaluate the system for first projects and to benefit from advantages of the cloud in the near future, especially for smaller sites.

**“The standardized MES usage ensures the development of global content, which allows us to standardize our processes and reduce implementation effort during global rollout.”**

MES Global System Owner  
of the biopharmaceutical major



# Largest Thai pharma manufacturer GPO migrates to latest PAS-X MES to maintain efficient manufacturing

The Government Pharmaceutical Organization (GPO) has successfully migrated its PAS-X MES from V2 to V3 at their main production site in Rangsit, Thailand. Being a Thai state-owned enterprise, GPO is the largest pharmaceutical producer and distributor of essential medicines for the Thai market, including tablets, capsules, solutions, syrups, powders, and injections.



“Werum PAS-X MES helps us to benefit from quality-by-design principles and international best practices to manufacture affordable medicines for the people of Thailand,” says Dr. Mukdavan Prakobvaitayakit, Deputy Managing Director at GPO. “With the new PAS-X MES V3 platform, the production is up to date and fully integrated to surrounding IT systems like the Building Automation System, SAP, and LIMS, ensuring efficient manufacturing, compliant data transfer and the highest quality standards.”



“Heartiest congratulations to the GPO team on this remarkable milestone,” states Teerapong Cheepchol, President Software, Asia at Körber Business Area Pharma. “With the deployment of the latest PAS-X MES, GPO will be able to easily tackle daily challenges of pharma manufacturing, to ensure operational excellence and regulatory compliance, and to deliver life-saving medicinal products faster to the market.”

**“Werum PAS-X MES helps us to benefit from quality by design and international best practices.”**

Dr. Mukdavan Prakobvaitayakit  
Deputy Managing Director  
Government Pharmaceutical Organization

GPO was the first pharmaceutical manufacturer in Thailand that deployed PAS-X MES in 2015. GPO’s objective was to change and adapt by digitizing its processes and using state-of-the-art IT systems. PAS-X MES is used as a full-scope MES across the whole facility, from receiving raw materials to batch production, packaging and shipment of the finished products to the GPO nationwide supply chains. The MES helps GPO to reduce deviations and increase productivity, e.g. in the dispensing process and in the batch record review and approval process.

# PAS-X MES 3.3: Leading the transformation of manufacturing operations with our NextGen MES. The future of MES is now!



**Interview with Oliver Busch,  
Principal Product Manager Software,  
Körber Business Area Pharma**

**Körber is delighted to announce the release of its latest MES version: PAS-X MES 3.3, the market-leading NextGen MES for pharma, biotech and cell & gene, bringing together over 30 years of expert domain knowledge with leading IT technologies to provide a GMP-ready product that is built for the future of this industry!**

## What are the highlights of the new PAS-X MES 3.3 Suite?

**Oliver Busch:** PAS-X MES 3.3 was developed as a NextGen application which will lead the **transformation of MES**. It is designed to extend the MES experience, delivering the industry leading application, focused on addressing key challenges of the industry.

Digital transformation and the need for organizational speed is forcing a change in how MES is delivered. Organizations are challenged to bring manufacturing sites online quickly and are required to scale according to production demands whilst minimizing operational costs. PAS-X MES 3.3 brings speed and agility to MES through cloud native technologies with containerized functional modules. Systems can be deployed in any infrastructure setup, ranging from on premise in our clients' data centers to fully managed systems with our MES as a Service. This change in **MES deployment** coupled with our industry expertise raises the bar for MES delivery.

Industry initiatives such as Pharma 4.0 position MES as a key application in manufacturing operations digital ecosystems. PAS-X MES 3.3 delivers in this **ecosystem** by providing best-of-breed functionality with out-of-the-box capabilities tailored to GMP manufacturing. Our MES provides open and easy integration points through secure application calls so manufacturing activities can be synchronized with other applications in our customer's ecosystem.

## Which novelties are there in terms of user experience and industry segments?

**Oliver Busch:** MES have traditionally lacked a focus on user experience, making system adoption slow. PAS-X MES 3.3 focuses on simplifying interactions by providing **experiences focused on the users** of the system. Reactive designs bring new opportunities to engage users through new mobile devices and web client applications, increasing user engagement and simplifying knowledge transfer.

Körber has a long history of delivering MES in life sciences and PAS-X MES 3.3 continues to build on that heritage. Well established process flows from pharma and biotech continue to be core to the product while new processes from cell & gene are being added. This makes PAS-X MES 3.3 the most **fully featured NextGen MES for the life sciences industry**.

PAS-X MES 3.3 is designed to meet the needs of MES both now and in the future. We have developed our MES as a system that will continue to evolve with market needs – and our product support reflects this. The provision of a **continuous evolution stream** (CES) allows users to take advantage of new functionality as it is released. This approach to application lifecycle management ensures that our customers' systems can adapt to their market needs whilst continuing to meet their organizations growing needs.

## What new features can customers look forward to with PAS-X MES 3.3?

**Oliver Busch:** We have introduced many functional improvements to increase the efficiency of operators using our MES. A special focus was placed on increasing the efficiency of **weighing operations**. New weighing modes were added, including manual tare entry for weighing and taring for yield weighing. We updated the support for scale drivers which now include the latest Mettler Toledo scales.

To simplify the application management we added the ability to **transfer all master data** between systems. Moving data from a Quality to Production system is now a fast and convenient process using our prequalified data management tools.

PAS-X MES 3.3 allows fast and secure biometric authentication and the tight **integration of PAS-X K.ME-IN** provides connectivity to a range of biometric devices.

As an example of our approach to continuous evolution we constantly optimize our ERP interface. We now have introduced **external parameterization for GMBR target materials**, reducing the risk of manual errors and the effort for system administration.

### Which infrastructure platforms are used for the customers' benefit?

**Oliver Busch:** With PAS-X MES 3.3 we have worked with the latest IT technologies to build our NextGen MES. We are **leveraging best practices from modern IT architecture** to deliver on an infrastructure which has been widely adopted across many industries. For example, in order to provide a system which is scalable and can adapt to the production demands of our customers, we have added support for the Kubernetes orchestration platform. This industry leading platform provides a highly configurable environment to manage the PAS-X MES micro services architecture and supports multiple deployment options including MES as a Service, private cloud and on premise.

To support a reduction in total cost of ownership (TCO) we have included PostgreSQL in the product. PostgreSQL is a mature open source relational database, providing high performance at a lower cost.

In addition we have built in the event-streaming platform Kafka. This supports the creation of fast and efficient data pipelines for streaming analytics and data integration. Kafka ensures access to product data and enables additional features provided with PAS-X Data Access. Architecting PAS-X MES 3.3 to use these modern infrastructure platforms ensures that our NextGen MES delivers high performance and reduces TCO for our customers.

### What's new for PAS-X MES as a Service?

**Oliver Busch:** PAS-X MES as a Service provides our customers with a **fully managed system operated by Körber** so that they can concentrate on their core business. The benefits of our as-a-service offering include keeping up to date with the latest versions of the software, ensuring that our customers leverage the latest functionality. With PAS-X MES 3.3, our MES as a Service adopts all new features of the core product and serves as an integrated platform for all PAS-X products. This will be deployed to each as-a-service tenant in close collaboration with our customers ensuring their installation continues to provide the lowest TCO for MES.



### How can existing customers migrate from previous versions to PAS-X MES 3.3?

**Oliver Busch:** We would love to see all our customers move to the new PAS-X MES 3.3 to take advantage of the latest features of our NextGen MES. However we understand this won't happen overnight so we will continue to support our 3.1.8 customers with standard support until 2025 and with extended support until 2028.

For customers who do want to take advantage of PAS-X MES 3.3, our goal is to ensure a **smooth and largely automated data migration**. We provide special tooling for transferring master data including MBRs. The tooling uses the standard import function of the target system to create audit trails and execute plausibility checks.

Additionally we offer a comprehensive service package providing analyses and effort estimations prior to and throughout migration to give guidance and address customer-specific situations. Customers who have already installed PAS-X MES 3.2 can switch to 3.3 with a simple update.

### Which role does PAS-X Data Access play with the NextGen MES?

**Oliver Busch:** PAS-X Data Access automatically collects data from PAS-X MES and contextualizes it for various evaluations. PAS-X MES 3.3 enables full use of this solution, which supports a **wide range of applications** from ad hoc reporting and cross-batch trends – e.g. process values – to complex continuous process verification or multivariate analysis applications. This way, data scientists save up to 80% of analytics efforts for data collection and cleaning.

The data provided by PAS-X Data Access can be **visualized and analyzed** using the integrated PAS-X Savvy – another offering of our PAS-X Intelligence Suite. Customers can turn their PAS-X MES data into knowledge, investigate exceptions and deviations, **execute root cause analysis and near real-time process monitoring**.

### In one sentence, what do you like most about the new PAS-X MES 3.3 Suite?

**Oliver Busch:** The life sciences industry is looking for change in MES – as recognized by Gartner in their MES Magic Quadrant, Körber is ideally positioned to lead this change with the new PAS-X MES 3.3 Suite, based on state-of-the-art, future-proof technologies delivering smart pharma manufacturing operations at its best!

# CDMO IDT Biologika digitizes main facility successfully with Werum PAS-X MES

**The contract development and manufacturing organization (CDMO) IDT Biologika is embarking Industry 4.0 and the fully networked automated pharmaceutical production and has put Werum PAS-X MES into operation at its main facility in Dessau, Germany, as an important milestone.**



IDT Biologika is an innovative biotech company with a 100-year track record. Based on modern technologies and a high level of expertise, the CDMO supports customers in the development and manufacture of innovative virus vaccines, gene and immunotherapy products as well as biologicals.

The central requirements of the digitization project were the replacement of paper-based production documentation and logbooks with electronic batch recording. The data exchange between ERP and MES should be automated. Most of the requirements were met through the standard implementation of PAS-X MES. Customizations were reduced to a minimum by adapting the IDT processes to the software.

**“Due to the increasing digitization and automation of our processes, we can significantly reduce the batch throughput and record times.”**

**Dr. Martin Wesseling**  
Director Technical Operations Head MES/EBR  
IDT Biologika

“Werum PAS-X MES plays an important role in our digitization strategy,” says Dr. Martin Wesseling, Director Technical Operations Head MES/EBR at IDT Biologika. “Due to the increasing digitization and automation of our processes, we can significantly reduce the batch throughput and record times, thus achieving a good right-first-time factor and high delivery reliability. We successfully avoid manual effort and errors, for example in batch preparation, documentation and archiving.”

The packaging department, where many processes have already been standardized, is a pioneer in the introduction of the digital manufacturing execution system at IDT. Customers also appreciate the innovation, because many of them work with the PAS-X MES system themselves and know that such a system delivers reliable quality. “It is definitely a customer magnet. In my eyes, the MES is the biggest digitization project at IDT and the most important project for us in packaging, which we are currently successfully completing,” says Frank Föhrigen, Head of Packaging, IDT Biologika.

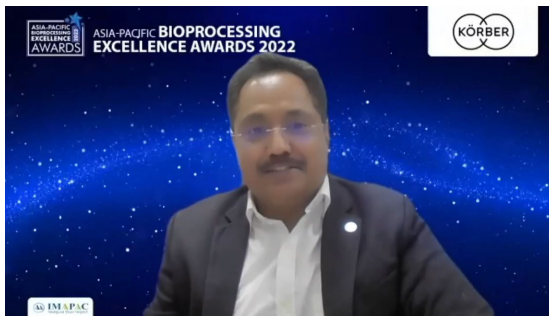


The biggest advantage of working with such a system is that human error is virtually eliminated. Frank Föhrigen adds: “We deliver highest quality and give customers confidence in our processes. They expect us to have systems that prevent us from making mistakes. And now we have chosen one with Körber, which is the top of the line. It’s the best we can have.”

PAS-X MES is currently used in the packaging area. In a next step, the MES is to be deployed in the production area Drug Substances and Drug Product including filling processes and visual inspection. In addition, an automated exchange of information between PAS-X MES and the production systems on level 2 will be implemented.



# Körber wins two awards at the Asia-Pacific Bioprocessing Excellence Awards for its state-of-the-art solutions for life sciences industry



Rajesh Vedak, President Software India, and Teerapong Cheepchol, President Software Asia at Körber Business Area Pharma

**Körber, provider of the world’s leading MES for the pharma, biotech and cell & gene therapy industries, was honored for its Werum PAS-X MES and PAS-X Packaging solutions in two different award categories at the Annual Biologics Manufacturing Asia conference: “Best Bioprocessing Supplier Award: Automation – Software” and “Best Vaccine Solution Provider Award – Packaging”.**

The Asia-Pacific Bioprocessing Excellence Awards recognize bioprocessing technology organizations that promote biomanufacturing excellence and feature latest advancements in technology and best practices in manufacturing. The software experts of Körber Business Area Pharma received the award for their market-leading Werum PAS-X MES software, which is developed in strict accordance with legal requirements such as FDA 21 CFR Part 211 and Part 11, EU GMP and GAMP 5 guidelines, and helps digitize all production processes, increase product quality and efficiency as well as reduce time to market.



“We are humbled and privileged to receive the important recognition ‘Best Bioprocessing Supplier Award: Automation – Software’ for the fourth consecutive year,” states Rajesh Vedak, President Software India at Körber Business Area Pharma. “Most of all, I sincerely thank our customers – winning this award would not have been possible without your trust in us and our software solutions. We always strive to deliver solutions and services that best address your daily challenges in pharma manufacturing and are committed to support our ever-growing customer base in India and globally.”

“We are truly honored to be also awarded with ‘Best Vaccine Solution Provider Award – Packaging’ for COVID-19 vaccines, which has become essential during the global pandemic,” states Teerapong Cheepchol, President Software Asia at Körber Business Area Pharma. “Our customers and many companies globally are under high pressure to deliver vaccines and advanced biological therapies to prevent and treat the coronavirus outbreak. We at Körber Business Area Pharma are proud to be part of the solution in the fight against COVID-19 with our pharma portfolio. As a reliable solutions partner, we will continue to deliver innovative solutions and support our customers in the life sciences industry.”

The award ceremony was held virtually, along with the 9th Annual Biologics Manufacturing Asia and the 6th Annual Biologistics World Asia with more than 1,000 representatives from Asia’s top biopharmas, vaccine manufacturers and biologics companies.

# Körber and inmation announce partnership for data-driven shop floor integration in the pharma factory of the future

**Körber offers its customers a best-practice solution by adding a state-of-the-art historian function to the Werum PAS-X MES Suite, which enables archiving of structured data. With their partnership, Körber and inmation are striving to achieve a high degree of integration on the shop floor in brownfield pharmaceutical production.**



Körber, the world's leading supplier of MES systems for the pharmaceutical, biotech and cell & gene therapy industries, and inmation, a technology leader in global real-time information management, announce their partnership.

“With this agreement, we continue to pursue our best-of-breed partnership strategy and will offer our clients all components for Pharma 4.0 in a one-stop-shop,” says Jens Woehlbier, Chief Executive Officer (CEO) Software of Körber Business Area Pharma. “The solution enables a high level of integration in pharmaceutical production in a fast and cost-effective way. This provides customers with an integrated MES-historian solution from a single source, helping them move towards a data-driven future.”

“Our software solution enterprise:inmation has seen spectacular growth in the regulated life science industry recently,” explains Timo Klingenmeier, CEO of inmation Software. “One of the main drivers for our customers is the platform’s ability to integrate all production systems and create a fully contextualized ‘digital twin’ of pharmaceutical production data. The MES plays a key role in the system orchestration, and we are very proud to enter into a close partnership with Körber, the leader in the field. We will further drive the integration of both platforms and align closely to leverage both companies’ strength for the next-generation system architecture in life science,” adds Klingenmeier.

**“The MES plays a key role in the system orchestration, and we are very proud to enter into a close partnership with Körber.”**

**Timo Klingenmeier**  
CEO, inmation Software



Jens Woehlbier, CEO Software, Körber Business Area Pharma, Timo Klingenmeier, CEO, inmation Software, and Reinhard Adam, Supervisory Board, inmation Software

# Körber drives the efficiency of cell & gene therapy manufacturing and logistics

**The international technology group Körber is driving the integration of supply chain and data orchestration platforms into its market-leading Werum PAS-X MES. To this end, the company has entered into strategic partnerships with leading providers such as Hypertrust Patient Data Care, TrakCel and Vineti. The aim is to provide standardized interfaces between manufacturing and logistics solutions to increase manufacturing performance and visibility for cell and gene-based therapies for pharma, biotech and cell & gene companies.**

Providers of ATMP (Advanced Therapy Medicinal Products) therapies, such as cell and gene therapies and personalized vaccines, require advanced software infrastructure across their entire production process. This enables them to implement digital visibility, automation, and real-time feedback into their technology to ensure management of complex manufacturing and large data volumes as well as complex, high-risk patient safety requirements.

“Our strategic cooperation with Hypertrust Patient Data Care, TrakCel and Vineti empowers biopharma customers to bring life-saving, cell and gene-based therapies to patients in need as quickly and safely as possible,” says Jens Woehlbier, Chief Executive Officer (CEO) Software at Körber Business Area Pharma. “Integrating leading supply chain platforms with Werum PAS-X MES will enable operational excellence and advanced cell and gene therapies out of the box. Our joint solutions will simplify compliance with all regulatory requirements and offer easier, faster manufacturing processes.”



**“Integrating leading supply chain platforms with Werum PAS-X MES will enable operational excellence and advanced cell and gene therapies out of the box.”**

**Jens Woehlbier**  
Chief Executive Officer (CEO) Software  
Körber Business Area Pharma

The common approach ensures complete Chain of Identity (COI) and Chain of Custody (COC) visibility and product tracking, as personalized cell and gene therapies go through each step in the manufacturing supply chain. It facilitates standardized data transfer across the pharmaceutical digital ecosystem to ultimately support data management, data analytics, and data science to drive efficiencies in clinical trials and outsourced contract research and manufacturing partners.

With its Werum PAS-X MES Suite, Körber is the market leader in digital manufacturing solutions for the cell and gene therapy industry. PAS-X MES is used by more than half of the world’s top 30 pharmaceutical and biotech companies and operates in more than 1,200 installations around the globe.

Hypertrust Patient Data Care, TrakCel and Vineti offer leading cell and gene supply chain orchestration platforms to manage the global autologous and allogeneic cell, gene and immunotherapy supply chains. Their digital software solutions – developed in collaboration with the industry – accelerate scale-up and scale-out of cell and gene therapy products.

## New pharma podcast

# Welcome to our new podcast “PEP talks”!

**Körber started a new informative format: the first episodes of “PEP talks – the Pharmaceutical Expert Podcast“ have been released on major platforms and on our website.**

What drives the pharmaceutical industry and what influence do current developments have on the production of pharmaceutical products? Each month, new guests and industry experts share interesting insights and practical recommendations on topics affecting today's pharmaceutical manufacturing in a 20- to 30-minute-podcast.



**Feel free to listen to our episodes! PEP talks is available on Apple Podcasts and Spotify.**



Join our host Frank O'Loughlin, Strategic Account Manager Software, Körber Business Area Pharma, as he discusses current topics such as smart Pharma 4.0 manufacturing and the key steps in digitizing production.

**Contact us if you are interested in becoming a part of our podcast!**  
[marketing.ph.software@koerber.com](mailto:marketing.ph.software@koerber.com)

## New company name

# Werum IT Solutions is now Körber Pharma Software

**We are completing the alignment to our common Körber brand also in the legal area and renaming the organizations of our Business Area. We would therefore like to inform you that Werum IT Solutions was renamed as of 01 March 2022.**

Important for you to know: Apart from the name of our company, nothing will change for you. As your reliable partner, we at Körber will continue to deliver the difference for you, without changing our proven quality, our commercial register number, our contracts or your personal contact persons.

Do you have any questions or need further information? Then please do not hesitate to contact us. We look forward to talking to you in person.

**Contact us!**  
[www.koerber-pharma.com/en/about-us/contact#Software](http://www.koerber-pharma.com/en/about-us/contact#Software)

### Please adjust your data from us as follows:

### Werum IT Solutions is now

Werum IT Solutions GmbH	▶ <b>Körber Pharma Software GmbH</b>
Werum IT Solutions America Inc.	▶ <b>Körber Pharma Software, Inc.</b>
Werum IT Solutions Ltd.	▶ <b>Körber Pharma Software Ltd.</b>
Werum IT Solutions SARL	▶ <b>Körber Pharma SARL</b>
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