

Manufacturing: an Adaptive Road to Digital Transformation

Activate the full benefits of Industry 4.0

Find out how with SUSE

The manufacturer's challenge

Faced with continued disruption to global supply chains, heightened demand pressure and threats from new entrants, manufacturers can't opt for inertia. Business as usual is not an option. Every ambitious manufacturing organization needs to reassess its operating and business model and embed resilience and agility. Every organization must look to attract and retain new talent. And every organization should aspire to innovate like a nimble tech company.

In short, it is time to accelerate digital transformation.

Most manufacturers have begun the journey but few are fully digitized. Each faces differing budget priorities, the complexities of fragmented deployments and difficulties executing on initial digitalization plans.

At SUSE, we believe that transformation can be enhanced and accelerated by open innovation. The most successful businesses will be those that capitalize on interoperable solutions that let them harness modernization, no matter where it occurs.

91% of industrial companies in the EU are investing in digital factories, yet so far only 6% of factories are "fully digitized."

[PwC](#)

Four manufacturing imperatives

01

Digital transformation. The future of manufacturing will be technology-enabled and Industry 4.0 provides the framework. Cloud, Edge computing, digital twin, IoT and AI/ML will fuel process reinvention, operational efficiency and state-of-the art innovation.

02

Business Resilience. In the wake of disruption, manufacturers must mitigate risk through improved visibility and predictability, strengthened supply chain risk management and predictive maintenance that eliminates unplanned downtime.

03

Security. Surging threats during the pandemic, coupled with insider threats, have added to the sense of business risk. For manufacturers, cybersecurity – inside and outside the organization – is increasingly vital.

04

Recruitment. New workforce entrants want to use the latest and greatest tech. To overcome the challenge of talent scarcity, making the workplace attractive means making it modern. Cloud-native operators should have access to a full stack of enterprise-ready open-source tools. Developers want to work with the best technologies.

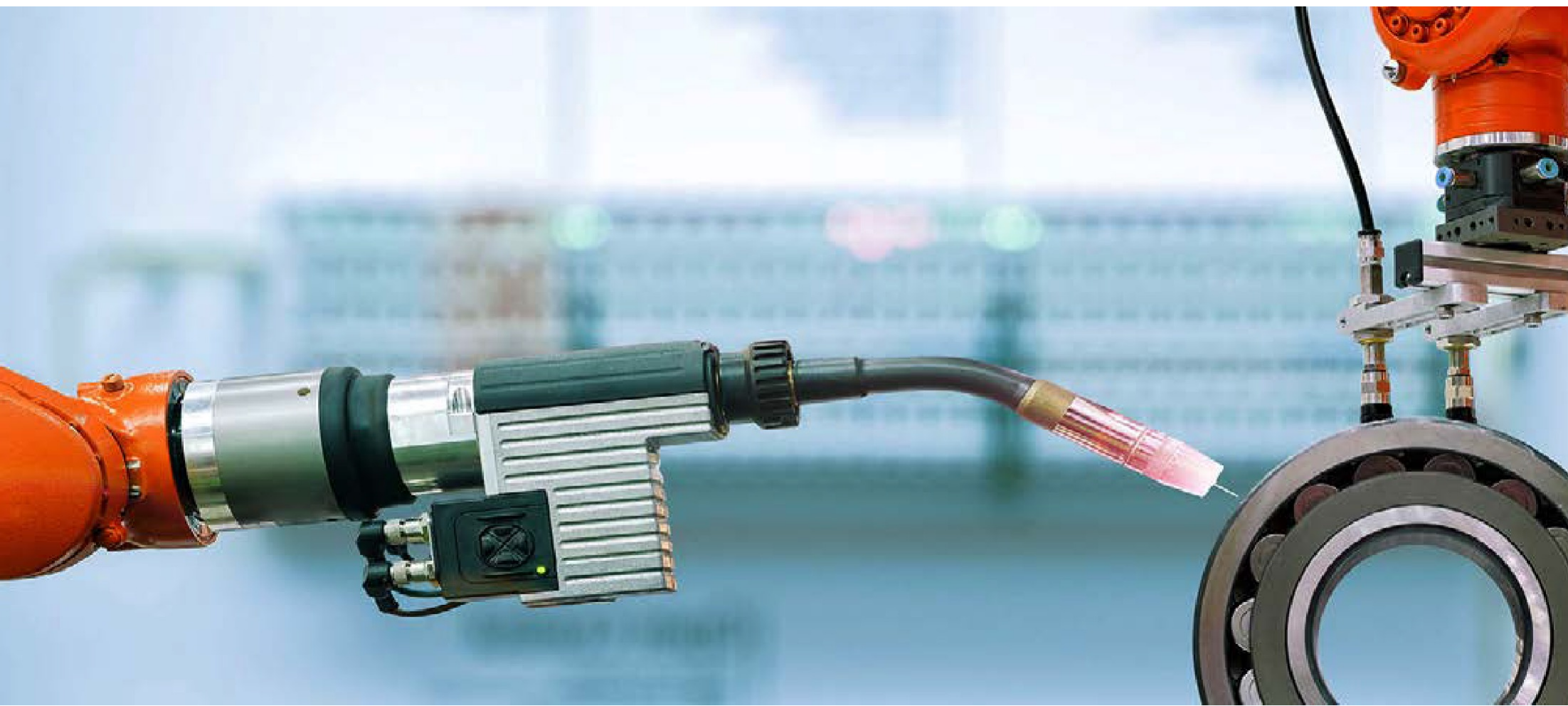


How to meet manufacturing imperatives

Only by applying flexibility, optimal performance, reliability, and scalability across the entirety of the operating environment, can manufacturers meet the challenges and opportunities of today's industry. And that's why key sector players are turning to SUSE. With an easy-to-deploy, comprehensive open-source platform, SUSE helps organizations realize the full benefits of Industry 4.0.

+50% of manufacturers believe they will realize benefits from digital transformation strategy in less than five years

PwC



1. Adaptable IT for agile operations

Building business resilience and agility is essential to combat future shocks to supply chains and local changes in customer behavior.

How SUSE can help: SUSE Manager automates and orchestrates environments, delivering a single tool for broader visibility across the IT stack – and with solutions such as SUSE Rancher container management, manufacturers can build, deploy and scale faster than ever, reducing time to market.

2. Effective digital transformation

Manufacturers have been continuing their digital transformation efforts in a time of flux. Pandemic-enforced restrictions on movement, supply chain fragility, growing demand and rising prices for raw materials have contributed to a challenging environment.

How SUSE can help: SUSE Rancher unifies clusters to ensure consistent operations, workload management and enterprise-grade security – from core to cloud to Edge.

3. Enhanced talent retention

Facing talent scarcity and with an increasingly remote workforce, manufacturers are analyzing how best to adapt and digitize the working environment across roles, levels and geographies.

How SUSE can help: By deploying SUSE Linux Enterprise and SUSE Rancher, cloud-native operators can access a full stack of enterprise-ready open-source tools. The result: innovative environments for creative developers.



Why SUSE?

80% reduction in upgrade time at Continental AG after SUSE Rancher replaced complexity with simple centralized updates

SUSE



Business-critical Linux

The widest range of architectures, virtualization, container runtime, storage and network options.

Benefits: Accelerate innovation and respond to markets faster.



Enterprise Container Management

With Kubernetes and SUSE Rancher.

Benefits: Maximize development agility, unify clusters to ensure consistent operations, workload management and enterprise-grade security – from core to cloud to Edge.



Run SAP

SUSE Linux Enterprise for SAP Applications is the premiere Linux platform for SAP HANA, SAP NetWeaver and SAP S/4HANA solutions in manufacturing.

Benefits: Reduce service outage risks and deploy SAP services faster on-premises and in the cloud.



IT Operations at the Edge

Based on lightweight Linux, Kubernetes and storage products for x86 or Arm hardware.

Benefits: Consistency, performance, reliability, security – all vital for manufacturing Edge use cases.



Security embedded

SUSE provides a foundational layer of security and resilience across critical systems to overcome the increased risk of exposure that accompanies digital transformation. For manufacturers that means embedded security across applications end to end. SUSE also provides a framework for compliance with internal policies and external regulations.

Given the increased attack volume and increased levels of attack sophistication, older security mindsets are no longer adequate.

[CyberTalk.org](https://www.cybertalk.org)



Stay ahead of the curve with SUSE:

01

Delivers adaptable and agile backbone so manufacturers can innovate at pace

02

Always evolving products and services to align with the latest technology

03

Overcomes vendor lock-in with integration-ready solutions

04

Offers interoperable open architecture for ease and speed of adoption

05

Guarantees trusted security and stability



How SUSE is already transforming the global manufacturing industry

Continental AG

Pioneering the evolution of manufacturing with Kubernetes

[Find out more](#)

Greenpanel

Optimizing manufacturing and supply chain with highly available ERP landscape

[Find out more](#)

Barbier Group

Pursuing always-on, eco-friendly manufacturing

[Find out more](#)

With SUSE, you're one step closer to a digitized and agile future.

Find out how SUSE can help reshape your organisation and drive Industry 4.0 innovation on our manufacturing web page.