



Artificial Intelligence – Go beyond private life experiences and beef up your metal business for success

Stefan Koch, Global Lead for Metals, Industry Business Unit (IBU) Mill Products & Mining, SAP SE

June 4, 2026, Bologna, Italy



SAP presence in the metals industry

95%

of the iron, steel and aluminum producers in the Forbes Global 2000 are SAP customers.

More than 7800

metals customers in more than 75 countries



23

of the 25 top steel producing companies in the world run SAP solutions.

9

of the 9 largest base metals producing companies in the world run SAP solutions

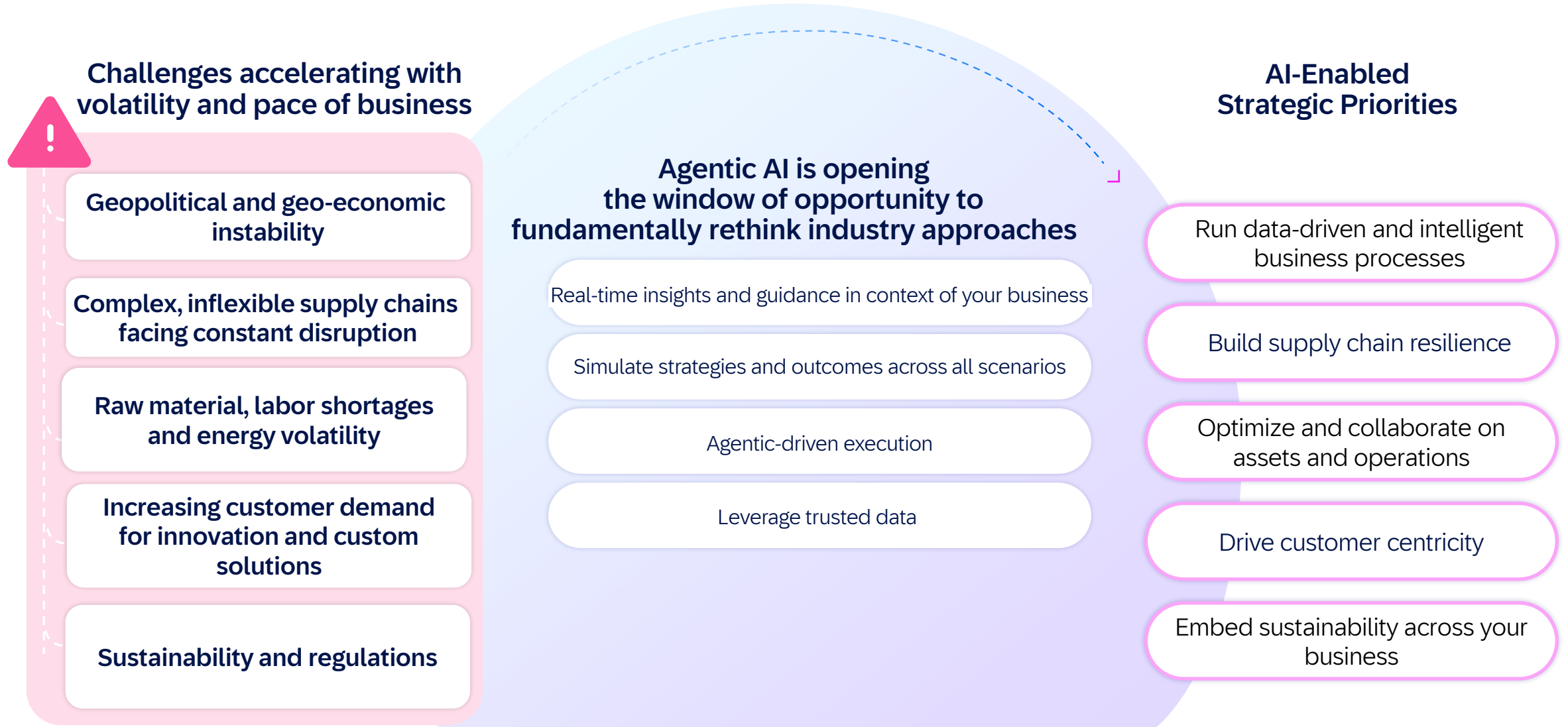
50+

years of activities in the metals industry

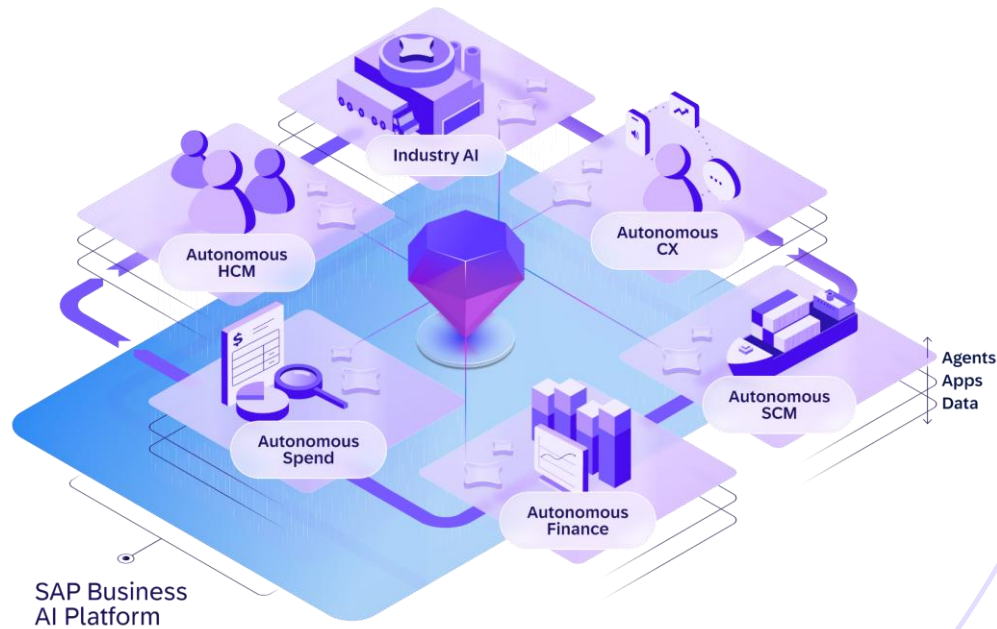


Metals leaders face unprecedented pressure.

...but AI is opening a unique window of opportunity



An Autonomous Enterprise runs differently



Your people can do their best work.

Agents handle routine transactions end to end, so people can focus on the decisions that move the business.

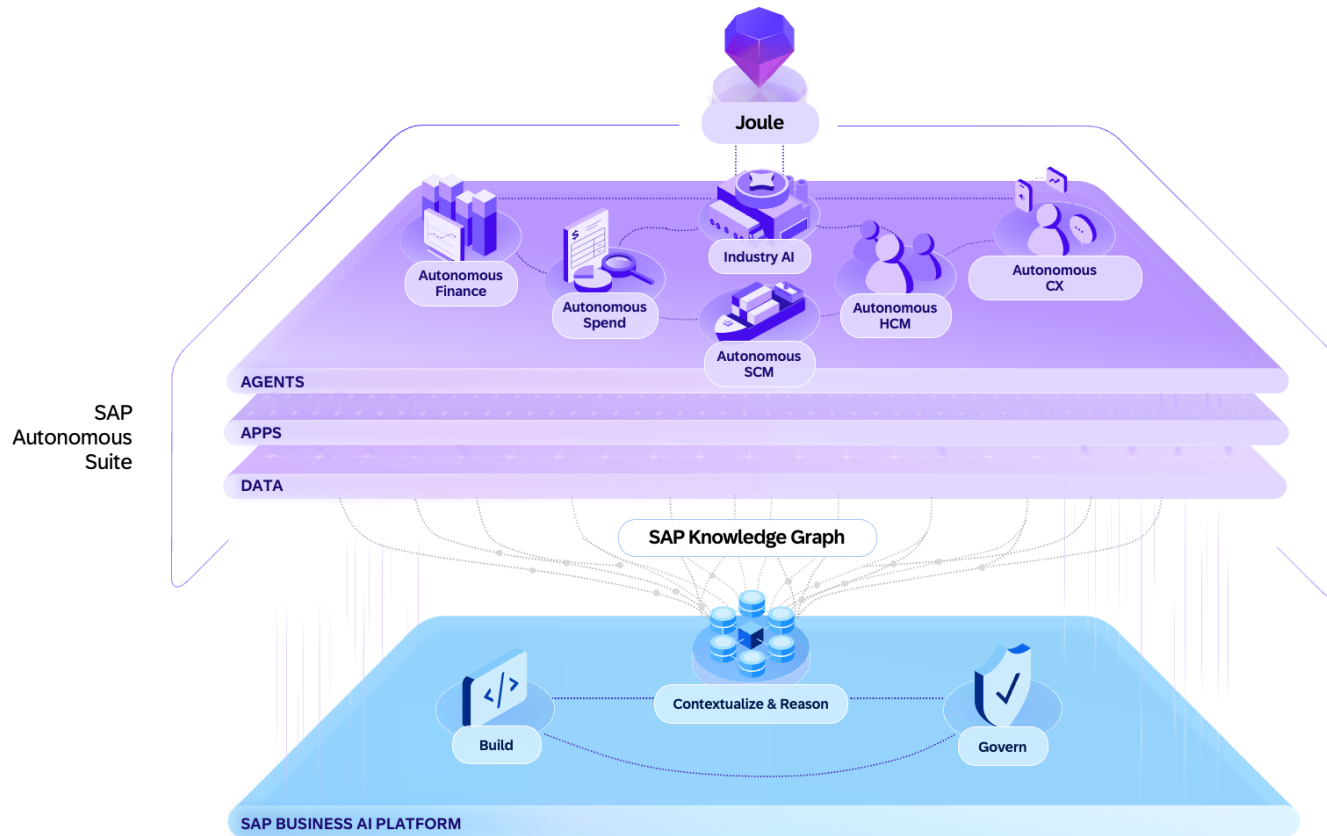
Your business responds before teams convene.

When conditions change, the business acts as one. Agents coordinate across the business in real time. No lag between signal and action.

You move fast because you can trust the system.

Every AI action is governed, auditable, and traceable. Not added later. Built in from the start. Speed and control aren't a tradeoff.

Key elements of the Autonomous Enterprise



- 1 Joule** as the new engagement layer, bringing together data, workflows, and agents across SAP systems and beyond
- 2 SAP Autonomous Suite** to reinvent how enterprises run, based on AI assistants and agents executing work E2E
- 3 Industry AI** embeds the process knowledge, compliance rules, and data models specific to your industry
- 4 SAP Business AI platform** delivering business context, unified data, models, and enterprise-grade governance
- 5 Accelerate the evolution to an Autonomous Enterprise** with agent-led transformation, delivered through RISE and GROW.

Selected Metals customer examples driving innovation with SAP on the way to the Autonomous Enterprise



Increase Sales efficiency by using SAP RISE embedded AI



Evaluate complex project tenders with SAP Business AI



Improve stock management by better planning and analytics



Generate production plans by the help of AI



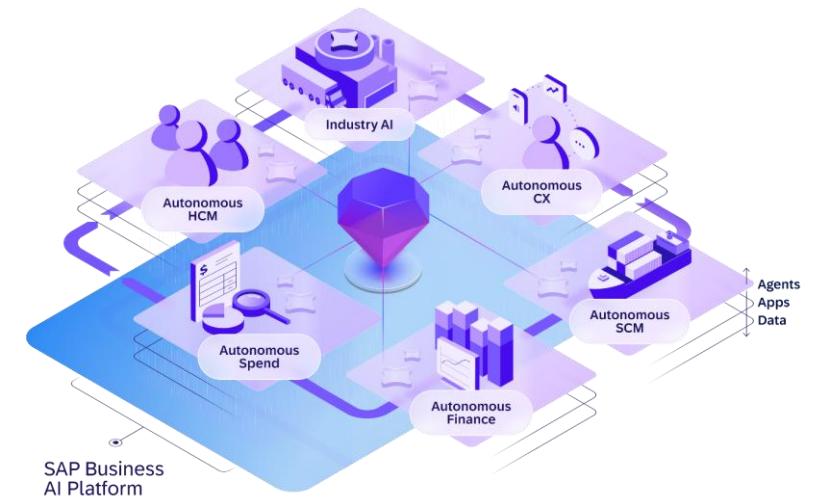
Achieve compliance with EU regulation for plastic packaging



Transform and scale HR processes efficiently into different regions



Don't miss but identify talent and skills in your company



Embedding AI to the Core with SAP RISE: A unified future proof platform driving growth, efficiency, and resilience

Company

Prysmian

Headquarters

Milan, Italy

Industry

Mill Products, Cable

Products and Services

Energy and Telecom Cable Solutions

Employees

33,000+

Web Site

<https://www.prysmian.com/en>

Business Challenge

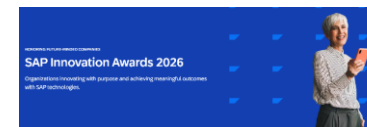
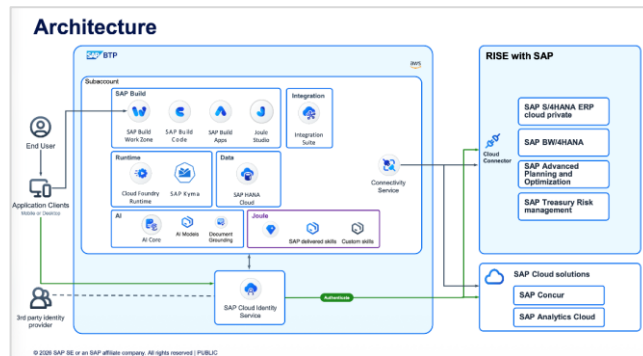
- A single global SAP instance covering 86+ factories across 30+ countries with harmonized data and processes waiting to be embarked in the AI era.
- Rapid evolution of AI presenting significant risk of improper or incorrect use within business systems.
- Rising costs and a supply chain vulnerable to shocks.
- Growing complexity of manufacturing driving the need of a single cable design platform with process harmonization from engineering to business.

SAP Solutions and Technology

- RISE with SAP S/4HANA Cloud
- SAP Business AI and Joule Copilot
- SAP Business Technology Platform (BTP)

Benefits

- **50%** faster time-to-market for new products
- **25%** faster procure-to-pay and order-to-cash cycles
- **70%** automation of repetitive tasks saving thousands of hours
- **80%** faster time to deploy innovative solutions with SAP Embedded AI
- **15%** more accurate forecasts with predictive analytics
- Savings of **3,000** hours/year from cash application



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Hörmann LV Assistant – Turning complex construction specifications into competitive advantage

Company

Hörmann KG Verkaufsgesellschaft

Headquarters

Steinhagen, Germany

Industry

Mill Products

Products and Services

Production of doors

Employees

6,000+

Web Site

<https://www.hoermann.com/en/>

Business Challenge

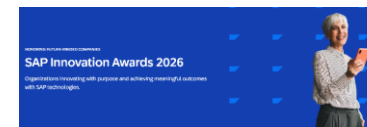
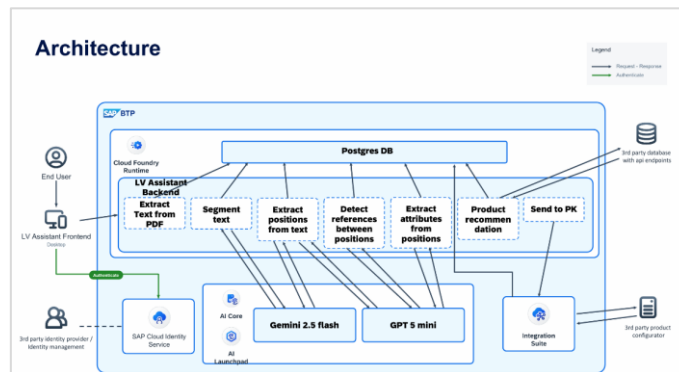
- Processing large public construction tenders
- Documents with complex technical requirements, legal conditions, and dense cross-references
- Interpretation manually by experts
- Time-consuming, error-prone, and difficult to scale manual process

SAP Solutions and Technology

- SAP Business AI
- SAP Business Technology Platform (BTP)
- SAP Integration Suite
- SAP Customer Data Cloud

Benefits

- Up to **70% reduction** in tender analysis time
- **50% decrease** of errors
- **4x faster** adaption of AI model advancements



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Delivering Agile Short-Term Supply Optimization with SAP IBP and Real-Time Analytics

Company

Gerdau Long Steel

Headquarters

São Paulo, Brazil

Industry

Mill Products & Mining

Products and Services

Steel

Employees

30,000+

Web Site

<https://www2.gerdau.com.br/en/>

Business Challenge

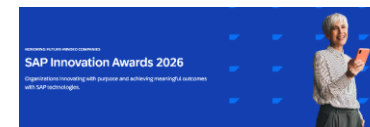
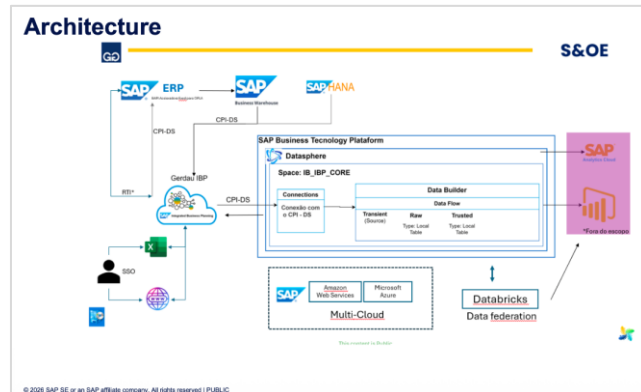
- Short-term planning defined by a monthly, manual review of more than 50,000 SKUs.
- Reliance on spreadsheets meant plans were often outdated by the time decisions were made.
- Short-term decisions remained slow, fragmented, and limited in addressing real volatility.
- Fluctuations in raw material availability and growing pressure on delivery lead times impacting OTIF performance.
- Long production cycles and finite industrial capacity requiring precise synchronization to avoid bottlenecks and delays.

SAP Solutions and Technology

- SAP Integrated Business Planning (IBP)

Benefits

- **97%** planning cycle time reduction, from 5 days/week to approximately 70 minutes/week.
- **38%** stockout reduction achieved within 3 months of implementation.
- Weekly production plan adapts to demand variability and supply disruptions.
- Ability to simulate scenarios for spikes, shortages, and downtimes with cost and service impacts.
- Integrated allocation across mills optimizing resources and accelerating customer service.



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Al Ghurair Iron & Steel (AGIS)

Building a futuristic manufacturing ecosystem with SAP BTP & Business AI

Company

Al Ghurair Iron & Steel LLC

Headquarters

Abu Dhabi, UAE

Industry

Metals

Products and Services

Coil & Sheets

Employees

450+

Web Site

<https://agis.ae>

Business Challenge

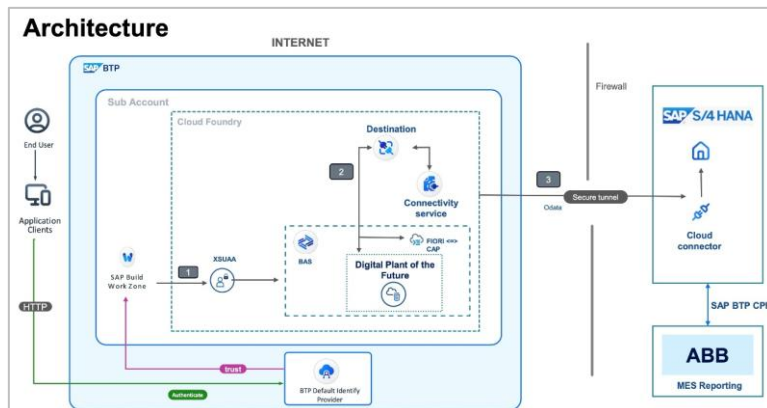
- Faces the challenge of aligning diverse customer demands with varying raw materials
- Key challenge is to maximize yield, utilization of the production lines while optimizing costs and the need to integrate with shopfloor MES/reporting systems
- Efficient production planning is critical to address these challenges

SAP Solutions and Technology

- SAP Business Technology Platform

Benefits

- 40k Orders processed every month with precision planning and execution
- 5x Increase in operational efficiency in production planning & execution
- 80% Increase in the end-to-end production planning process
- 90% process digitization, capturing complex make-to-order processes from customer order validation to order fulfilment
- Real-time sustainability data capturing and reporting



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Company

ArcelorMittal SA

Headquarters

Luxembourg

Industry

Mill Products & Mining

Products and Services

Steel manufacturing and mining

Employees

125,000+

Web Site

<https://corporate.arcelormittal.com>

“Thanks to SAP Responsible Design and Production, we’ve mitigated risk around packaging reporting regulations by digitalizing the accurate calculation of packaging fees and taxes across global markets.”

Nik Puri, Group CIO and CISO, ArcelorMittal SA

Business Challenge

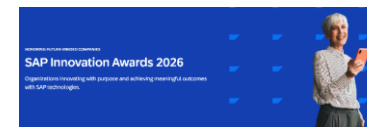
- Packaging reporting obligations under Extended Producer Responsibility became increasingly complex across countries.
- Data was scattered, reporting was slow, and manual calculations carried the risk of errors with real financial and compliance consequences.
- Teams relied on spreadsheets and fragmented methods that were no longer sustainable.
- Need for a reliable and scalable way to keep pace with expanding global obligations.

SAP Solutions and Technology

- SAP Responsible Design and Production (RDP)

Benefits

- **71%** increase in accuracy using predefined reports and integrated data.
- **73%** gain in productivity, reducing the packaging reporting cycle from days to minutes.
- Creation of a unified, repeatable reporting model enabling 100% consistency as more countries are onboarded.
- Replication time **decreased by 99%**, achieving near-real-time data availability.
- Automated data flows reduced manual intervention to **almost zero**.
- Expected **40–50% reduction** in onboarding configuration effort for future country rollouts.



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RHI Magnesita

From buzz to action: how we made RHI Magnesita's HR processes AI ready



Company

RHI Magnesita

Headquarters

Vienna, Austria

Industry

Mill Products & Mining

Products and Services

Refractory Solutions

Employees

20,000+

Web Site

<https://www.rhimagnesita.com/>

"At the beginning of the goal cycle and discussions of the challenges we want to develop together, using keywords to seek inspiration and bring greater assertiveness to what can be built as a work purpose, generating greater engagement. I believe this is one of the most interesting points in the application of AI in CHRIS (SAP SuccessFactors)."

Head of Laboratory and Pilot Plant
Latin America, RHI Magnesita

Business Challenge

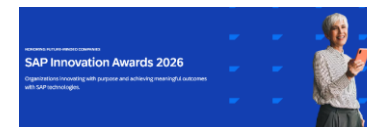
- People processes were fragmented, manual, and heavily dependent on local workarounds.
- HR teams spent more time reconciling data than supporting employees.
- Managers struggled with inconsistent experiences across regions.
- Language was a barrier, with many employees not comfortable with English.
- Risk of disengagement, low adoption of digital tools, and missed opportunities to attract and retain talent.

SAP Solutions and Technology

- SAP SuccessFactors
- Embedded SAP Business AI

Benefits

- **15%** higher goal assertiveness and elimination of 18,000 goals from evaluation cycles.
- **90%** of pilot users rated AI features as "Useful" or "Very Useful."
- **81%** of users expressed excitement for future AI use cases.
- Higher-quality performance data and better decisions.
- Established a global, standardized HR data model across **30+ countries**.



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Norsk Hydro

Norsk Hydro's AI-Powered Skills Revolution: Future-Proofing the Workforce



Company
Norsk Hydro

Headquarters
Oslo, Norway

Industry
Metals

Products and Services
Aluminum, Precision Tubes & Poles

Employees
33,000

Web Site
<https://www.hydro.com/en/en/>

Business Challenge

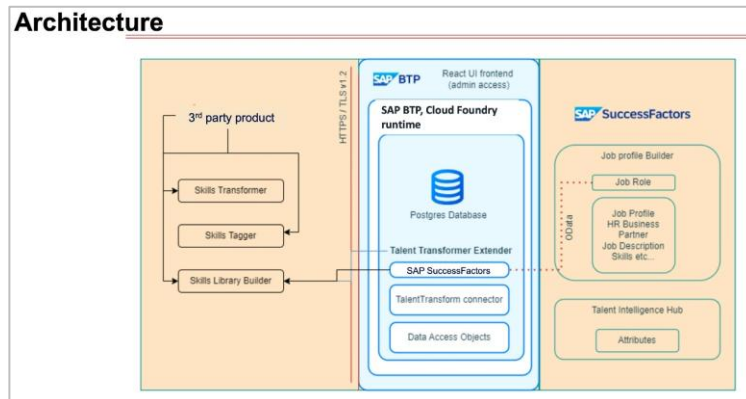
- Growing gap between evolving business needs and workforce capabilities
- No real-time visibility into skills data & succession planning
- Employees lacked clarity on career pathways
- need for an AI-powered, skills-first workforce approach became urgent

SAP Solutions and Technology

- SAP SuccessFactors
- SAP Business Technology Platform
- SAP Business AI

Benefits

- 3500 skills curated using AI, to improve workforce agility
- AI-powered skills insights to enhance workforce planning
- Increased talent mobility, enabling employees to upskill and progress
- Reduced reliance on external hiring, paving the way for accelerated internal career growth
- Stronger ESG alignment: ensuring skills development supports Norsk Hydro's green transition goals



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SAP Innovation Awards 2026

Mill Products & Mining



Prysmian - SAP Innovation Awards 2026

Embedding AI to the Core with SAP RISE: A unified future proof platform driving growth, efficiency, and resilience

Prysmian implemented SAP RISE to modernize its core ERP, embedding AI to drive efficiency and resilience. The unified platform supports real-time insights, conversational automation, and predictive analytics, transforming user experience and decision-making. This digital transformation positions Prysmian as a leader in the manufacturing industry.

Pitch Deck on sap.com : [Prysmian - SAP Innovation Awards 2026](#)



ArcelorMittal – SAP Innovation Awards 2026

Transforming packaging compliance while creating the data foundation for smarter, more sustainable material choice

ArcelorMittal transformed packaging compliance by adopting SAP Responsible Design and Production, addressing global Extended Producer Responsibility regulations. This shift from manual reporting to automated processes enhanced data accuracy, reduced compliance risks, and boosted productivity by 73%. The solution laid a foundation for future innovations in sustainable material choices, aligning with SAP's strategy for smarter business operations.

Pitch Deck on sap.com : [ArcelorMittal SA – SAP Innovation Awards 2026](#)



Gerdaul Long Steel - SAP Innovation Awards 2026

Delivering Agile Short-Term Supply Optimization with SAP IBP and Real-Time Analytics

Months ago, short-term planning at Gerdaul was defined by an exhausting reality: a monthly, manual review of more than 50,000 SKUs. Planners spent hours reconciling demand changes that were often outdated by the time decisions were made. The turning point came with SAP Integrated Business Planning with Optimization, which enabled automatic capture of demand fluctuations and the generation of an adaptive, responsive production plan. Early results indicate transformation: reduced manual effort, faster reaction to market shifts, and a short-term planning process designed to operate effectively in real-world volatility.

Pitch Deck on sap.com : [Gerdaul Long Steel - SAP Innovation Awards 2026](#)



GMH Systems GmbH – SAP Innovation Awards 2026

Turning production critical paper- work into a trusted AI backbone for green steel production

GMH Gruppe revolutionized steel production by implementing AI-driven document intelligence on SAP BTP, automating mill test certificate processing with over 99% recognition accuracy. This innovation reduces manual effort, enhances efficiency, and supports GMH's green steel strategy, cutting emissions by up to 80%.

Pitch Deck on sap.com : [GMH Systems GmbH – SAP Innovation Awards 2026](#)



Hörmann – SAP Innovation Awards 2026

Hörmann LV Assistant – Turning complex construction specifications into competitive advantage

The LV Assistant automates the analysis of large public construction tenders, reducing manual effort and error rates. It parses PDF documents, structures content, and extracts relevant technical characteristics, transforming weeks of work into hours. This boosts competitiveness and improves offer quality for Hörmann KG Verkaufsgesellschaft.

Pitch Deck on sap.com : [Hörmann – SAP Innovation Awards 2026](#)



Vedanta – SAP Innovation Awards 2026

Vedanta's journey towards a cloud native and AI-driven autonomous enterprise

Vedanta Group embarked on a multi-year transformation program across Cloud, Platform & AI to drive scale, automation, efficiencies and new ways of working across 7 different business entities and 15,000+ users. The V-RISE program helped transform Vedanta into a cloud-enabled, automated, & AI-driven operating model at scale.

Pitch Deck on sap.com : [Vedanta Ltd – SAP Innovation Awards 2026](#)



CODELCO - SAP Innovation Awards 2026

Tail-spend Auto-RFQ for the Spot market

Codelco, the world's largest copper producer, automated RFQs to ensure operational continuity and drive efficiency at scale. The solution integrated SAP Ariba and SAP BTP, providing real-time visibility, reducing cycle times, and increasing productivity while maintaining compliance and transparency.

Pitch Deck on sap.com : [CODELCO \(Corporación Nacional del Cobre de Chile\) - SAP Innovation Awards 2026](#)



Rio2 Limited - SAP Innovation Awards 2026

Accelerating Gold Development – From Re-Permitting to Real-Time Finance with SAP S/4HANA Cloud

Rio2 Limited accelerated its restart of the Fenix Gold Project after re-permitting by implementing SAP S/4HANA Cloud. The solution unified finance, procurement, and projects across Canada, Chile, and Peru, enabling rapid deployment, high adoption, and readiness for construction in under nine months.

Pitch Deck on sap.com : [Rio2 Limited - SAP Innovation Awards 2026](#)



VALE - SAP Innovation Awards 2026

Check In Time –VALE's Supplier Delivery Scheduling Platform

Check In Time, built on SAP Business Technology Platform, revolutionizes delivery scheduling for VALE's large-scale mining operations. It centralizes coordination between suppliers, gatehouses, and warehouses, addressing legacy technology issues and cybersecurity risks. The solution enhances productivity, compliance, and operational efficiency, transforming scheduling into a sustainable advantage.

Pitch Deck on sap.com : [VALE - SAP Innovation Awards 2026](#)



RHI Magnesita - SAP Innovation Awards 2026

Designing the Future of Industrial ERP with Two-Tier SAP S/4HANA Cloud Architecture

RHI Magnesita, a global leader in refractories, partnered with SAP to transform its ERP landscape using a two-tier SAP S/4HANA Cloud architecture. This initiative aims to standardize processes, enhance transparency, and leverage AI for automation, resulting in significant cost reductions and operational improvements.

Pitch Deck on sap.com : [RHI Magnesita - SAP Innovation Awards 2026 \(ERP\)](#)



RHI Magnesita – SAP Innovation Awards 2026

From buzz to action: how we made RHI Magnesita's HR processes AI ready

Just a few years ago, RHI Magnesita's HR processes were fragmented and manual, causing inefficiencies and disengagement. By implementing SAP SuccessFactors and embedding AI, they transformed their HR ecosystem to be more user-centric and automated. This shift improved goal setting, employee engagement, and trust in the system, leading to higher adoption and better performance data across their global organization

Pitch Deck on sap.com : [RHI Magnesita – SAP Innovation Awards 2026 \(HR\)](#)



Metrie - SAP Innovation Awards 2026

Creating a proactive, strategic growth engine with super-charged supply chain planning powered by SAP IBP

Adopting SAP IBP has transformed our supply chain planning, enabling us to manage disruptions effectively, improve forecast accuracy, and enhance service levels. This strategic shift has reduced inventory, increased revenue, and optimized sourcing and manufacturing decisions, benefiting our business, supply partners, and customers.

Pitch Deck on sap.com : [Metrie - SAP Innovation Awards 2026](#)



CENIBRA – SAP Innovation Awards 2026

CENIBRA: Tracing supply chain visibility from forest to finish

CENIBRA implemented SAP Green Token to ensure full wood traceability and compliance with the European Union Deforestation Regulation (EUDR) across its entire pulp production value chain. The solution integrates forestry, industrial, logistics, and commercial data with SAP S/4HANA, transforming each wood batch into an immutable digital token linked to geolocation data, legal documents, and production records.

Pitch Deck on sap.com : [Celulose Nipo Brasileira S.A - CENIBRA – SAP Innovation Awards 2026](#)



KLABIN - SAP Innovation Awards 2026

Orchestrating Production Excellence: Empowering Smart Manufacturing and real time analytics with SAP Digital Solutions

KLABIN transformed its operations by replacing outdated legacy systems with SAP Digital Manufacturing and SAP Business Technology Platform (BTP). This shift enabled real-time visibility, advanced analytics, and seamless integration across all production stages, driving efficiency, reducing waste, and supporting sustainable operations.

Pitch Deck on sap.com : [KLABIN - SAP Innovation Awards 2026](#)

What's next ?

Innovation never stops, so we are going to ...

- Improve existing SAP applications like
 - SAP Cloud ERP
 - SAP Integrated Business Planning
 - SAP Digital Manufacturing
- Innovate and drive the Autonomous Suite that runs on AI
- Extend the SAP partner ecosystem in
 - Technology
 - Solutions
 - Implementation
- Address new processes or requirements like EU Digital Product Passport for Steel in 2027
- ... and many, many more topics !



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 MATERIALS & MINING
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- Supply chain & asset excellence
- Customer experience & product innovation
- Connected business networks & smart procurement
- Sustainability, compliance & circular economy
- Transformation through technology: AI, cloud & data

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- Topic-based tracks with industry relevance
- Co-create space: a collaborative environment to exchange & translate ideas into action
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Transforming a business is a marathon, ...

and even you might start with a sprint, ...

you have to take the first step and move, ...

to stay ahead !

Grazie !

We are looking forward to meet you in Rome !



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Manufacturing,
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SAP SE

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