

Solution Brief

ERP modernisation with AI, automation, and data analytics

For Dynamics 365, SAP, Oracle, and other ERP systems

Powered by Microsoft, delivered by Hitachi Solutions



The challenge: Untapped potential in existing ERP systems

Many companies have already invested heavily in their ERP systems - whether SAP, Oracle, or Microsoft Dynamics 365 - yet critical business processes remain inefficient and manual. This isn't due to system failures, but rather to untapped potential for integrating modern technologies.

Key challenges :

- Difficulty integrating new technologies such as AI and IoT
- Time-consuming manual processes and duplicate data entry
- Fragmented data preventing a holistic view of the business
- Rising maintenance and support costs
- Limited reporting and analytics capabilities slowing decision-making

These challenges highlight an urgent need for action – and reveal the significant potential of a strategic ERP modernisation.



The solution: Intelligent ERP extension

Rather than undertaking a costly full replacement of existing systems, Hitachi Solutions develops intelligent extensions to maximise the value of existing ERP investments. Through the strategic integration of Microsoft technologies, a hybrid architecture is created: preserving proven processes while introducing new capabilities in automation, data analytics, and artificial intelligence.



Microsoft Azure & Fabric

- Cloud infrastructure for hybrid ERPs
- Real-time analytics and data consolidation from SAP, Oracle, and more
- Scalable computing power for peak workloads



Microsoft Power Platform for low-code extensions

- **Power Apps** : rapid development of mobile applications
- **Power Automate** : no-code workflow automation
- **Power BI** : interactive dashboards and reports



AI and Copilot for intelligent assistance

- Automated analytics and predictive maintenance
- Machine learning-based planning
- Intuitive, natural language ERP queries

These Microsoft technologies integrate **seamlessly** with your existing ERP environment.

Customer case: A manufacturing company modernises its SAP environment

The following case study exemplifies how Hitachi Solutions helped a mid-sized industrial company modernise its SAP environment through targeted integration of Microsoft technologies without compromising proven core processes.

The challenges :

- Weekly reports required significant manual work
- Production, inventory, and financial data were not integrated
- No real-time visibility into critical production indicators

The solution with Hitachi Solutions :

- Power BI for real-time dashboards directly from SAP data
- Power Automate for automating approval workflows
- Azure Data Services for seamless integration of different data sources
- Microsoft Fabric as the central analytics platform

Measurable results :

- Significant time savings in report creation
- Greatly improved productivity thanks to automated processes
- Rapid return on investment

This example shows how existing investments in SAP can be optimised while introducing modern analytics capabilities.

Why Hitachi Solutions?

Your ideal partner for intelligent ERP modernisation

Extending an ERP system requires a deep understanding of both existing systems and modern technologies. A lack of expertise can lead to failed integrations, data inconsistencies, and costly automation project failures. As an experienced Microsoft partner with over 20 years of ERP expertise, Hitachi Solutions maximises the value of your existing investments through intelligent extensions.



Spécialisation en extension ERP

- Successful integration of Microsoft technologies into SAP, Oracle, Dynamics 365, and other ERP systems
- Proven hybrid architectures combining existing (legacy) systems with modern cloud technologies
- Comprehensive system analysis to identify the best opportunities for extension and automation
- Targeted identification of AI opportunities in ERP-adjacent processes, from predictive maintenance to intelligent demand planning and automated decision-making
- Advisory services for introducing generative AI (e.g., Microsoft Copilot) to optimise workflows and enable intuitive ERP interactions
- Use case workshops to develop customised automation scenarios based on your specific processes and data



Risk-free technology integration

- Progressive integration without disrupting ongoing business processes
- Seamless data integration between existing ERP systems and Microsoft platforms
- Comprehensive testing and validation before each go-live
- Integration of Microsoft Copilot, Azure Machine Learning, and Cognitive Services to optimise processes
- Development of AI-based predictive models for planning, logistics, quality, and service
- Technology transfer to enable your teams to independently develop AI solutions



Comprehensive modernisation

- Strategic consulting to achieve the optimal combination of your existing ERP (legacy ERP) and Microsoft innovations
- Full integration of Azure, Power Platform, AI, and Fabric into your ERP landscape
- Future-proof architectures enabling progressive growth and continuous integration of new innovations
- Implementation of data-driven decision architectures using Power BI and Fabric
- Development of strategic recommendations based on consolidated ERP and non-ERP data sources
- Long-term support throughout your AI journey – from initial prototypes to company-wide deployment



Local expertise, global standards.

- English teams with extensive experience in hybrid ERP environments
- Strong understanding of compliance requirements in inter-system integrations
- Close partnership with Microsoft to ensure optimal use of the latest technological features



Next Steps

ERP Review & Workshop Offer

Discover the optimisation potential of your ERP system through our structured approach:

Phase 1

Current analysis:

- Detailed assessment of your ERP landscape and business processes
- Identification of automation potential, AI application opportunities, and data integration possibilities
- Analysis of compatibility with Microsoft technologies

Phase 2

Strategic roadmap:

- Prioritisation of quick wins and long-term optimisations
- Practical recommendations with return on investment (ROI) calculations
- Feasibility studies for critical use cases

Phase 3

Proof of Concept (PoC)

- Development and demonstration of selected solutions
- Validation of business value through measurable pilot projects
- Preparation for full implementation

About Hitachi Solutions

Hitachi Solutions is a global information technology consultancy and a certified Microsoft Solutions Partner, with over 20 years of experience in implementing and optimising ERP and CRM solutions. As a member of the **Hitachi Ltd.** group, we combine the stability of a global technology leader with innovative consulting expertise and advanced technical know-how.

Our Company:



Global presence

Over 3,000 employees in more than 20 countries.



Local Expertise

Local teams with in-depth knowledge of UK business practices and compliance requirements.



Industry Experience

Extensive experience in manufacturing, retail, services, finance, and the public sector.

Microsoft partnership & certifications:

- **Certified Microsoft Solutions Partner in:** Data & AI, Digital & App Innovation, Infrastructure
- **Specialisations:** Analytics on Microsoft Azure, Web Application Modernisation on Microsoft Azure
- **Gold-level competencies:** Over 200 Microsoft-certified consultants and engineers
- **Strategic alignment:** Close collaboration with Microsoft on product development and go-to-market strategies

Comprehensive service portfolio:

- **Strategic consulting:** ERP environment analysis, transformation roadmaps, ROI assessments
- **Technical implementation:** Azure integration, Power Platform development, AI deployment
- **Change management:** User training, process optimisation, adoption strategies
- **Ongoing support:** 24/7 assistance, continuous optimisation, managed services

Reference industries & use cases:

- **Manufacturing:** Predictive maintenance, supply chain optimisation, quality management
- **Retail:** Omnichannel integration, customer analytics, inventory management
- **Services:** Project management automation, resource planning, financial reporting
- **Finance:** Risk analysis, compliance reporting, process automation

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