



Empowering financial innovation with *composable banking*

Unlock the power of three with
Capgemini, IBM and Temenos

Capgemini 

IBM
Platinum Partner



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With our work together, IBM and Temenos are committed to empowering banks to embrace instant payments in a hybrid cloud environment while helping the banks address challenges in security, governance and compliance.”

Prakash Pattni

MD, Financial Services Digital Transformation, IBM Cloud



Artificial Intelligence (AI) and Cloud computing are no longer buzzwords. The combined power of AI and cloud computing is revolutionizing regulated industries and opening limitless possibilities. However, cloud-enabled transformation is less frequent in middle and back-office functions. Currently, most cloud investments are directed towards modernizing customer-facing applications rather than the infrastructure that supports critical workloads.

The Need: Comprehensive banking platform to address Regulatory, Security and risk considerations while driving business value

For regulated industries, success depends on many factors, such as the alignment of business and technology, a business-centric product mindset, an infrastructure that allows for speed & scale, and the ability to capitalize on all data and scale generative AI everywhere. The right platform and ecosystem strategy are the critical factors underpinning success, especially using the cloud as an enabler to catalyze growth for financial services firms, as 91% of our respondents of the [Capgemini World Cloud report](#) indicated. However, to ensure lasting success, it is paramount that cloud adoption is thought through as part of the broader organizational strategy. A comprehensive cloud strategy and roadmap with the right partners and solutions are critical to overcoming cloud migration challenges and enabling business growth.

With that in mind, **in a strategic collaboration, Capgemini and IBM are delivering a comprehensive banking platform** built on Temenos solutions, leveraging Composable Banking principles specifically designed to enhance Middle and Back-office functions.

This initiative aims to address critical challenges such as **regulatory compliance, data security, and cost efficiency**. By leveraging this platform, banks can mitigate risks, optimize costs, and accelerate time to value, allowing them to concentrate on meeting customer needs. This strategy allows banks to move away from developing and maintaining myriad solutions to meet different evolving needs independently, enabling them to focus resources on priority activities instead. Core banking system providers such as Temenos have adopted a composable structure with their marketplaces, making it easier for banks to pick and choose the right FinTech with the relevant capabilities for their needs.

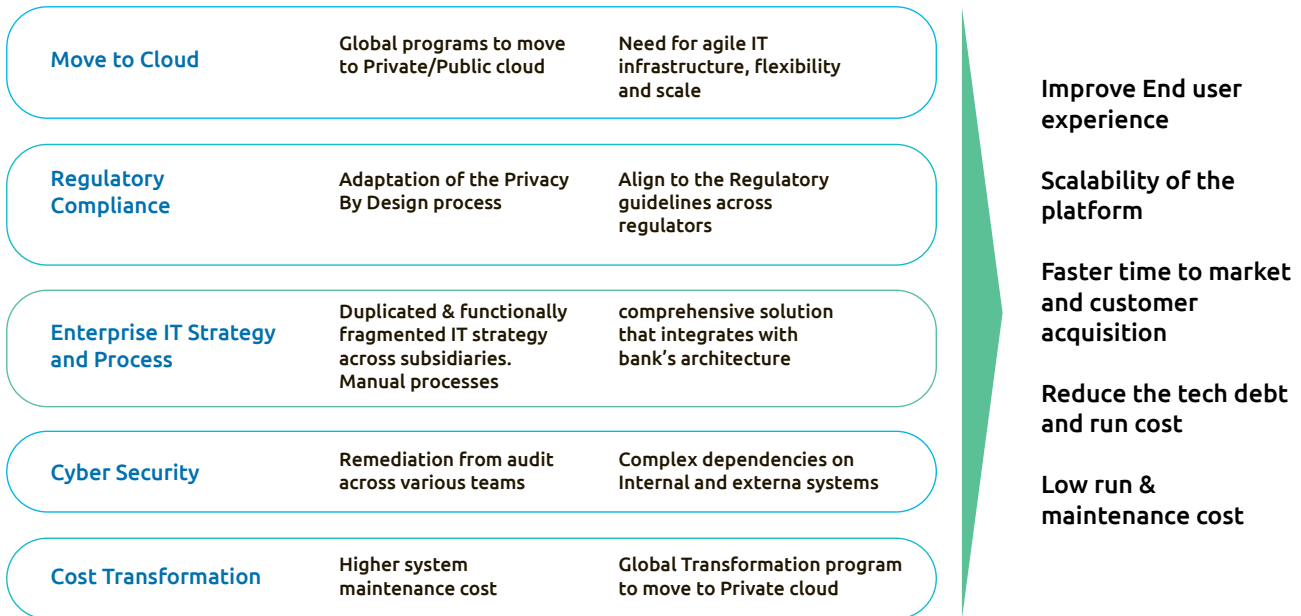


Figure 1: Key drivers for transformation for financial services firms

The Solution: Composable banking platform using multiple Temenos products on a single cloud platform integrating with existing systems

Besides the regulatory, security concerns, other business objectives this composable transformation solution address are,

- Improve end-user experience
- Scalability of the platform
- Faster time to market and customer acquisition
- Reduce the tech debt and run cost of the existing platform

The solution incorporates multiple Temenos products and integrates with existing systems. Each component and integration are part of the target banking platform.

1. Transact & TTI: The core banking system that efficiently manages back-office operations for TAP, providing seamless integration capabilities through TTI.

2. TAP/AAA: This solution enhances wealth management offerings with the latest Temenos release, featuring an advanced reporting engine and enhanced channel capabilities.

3. TDH (Transact Data Hub): Integrated with Transact and TAP, TDH retrieves data events and generates comprehensive reports using its analytics-driven database.

Currently, all products are utilizing version R24.

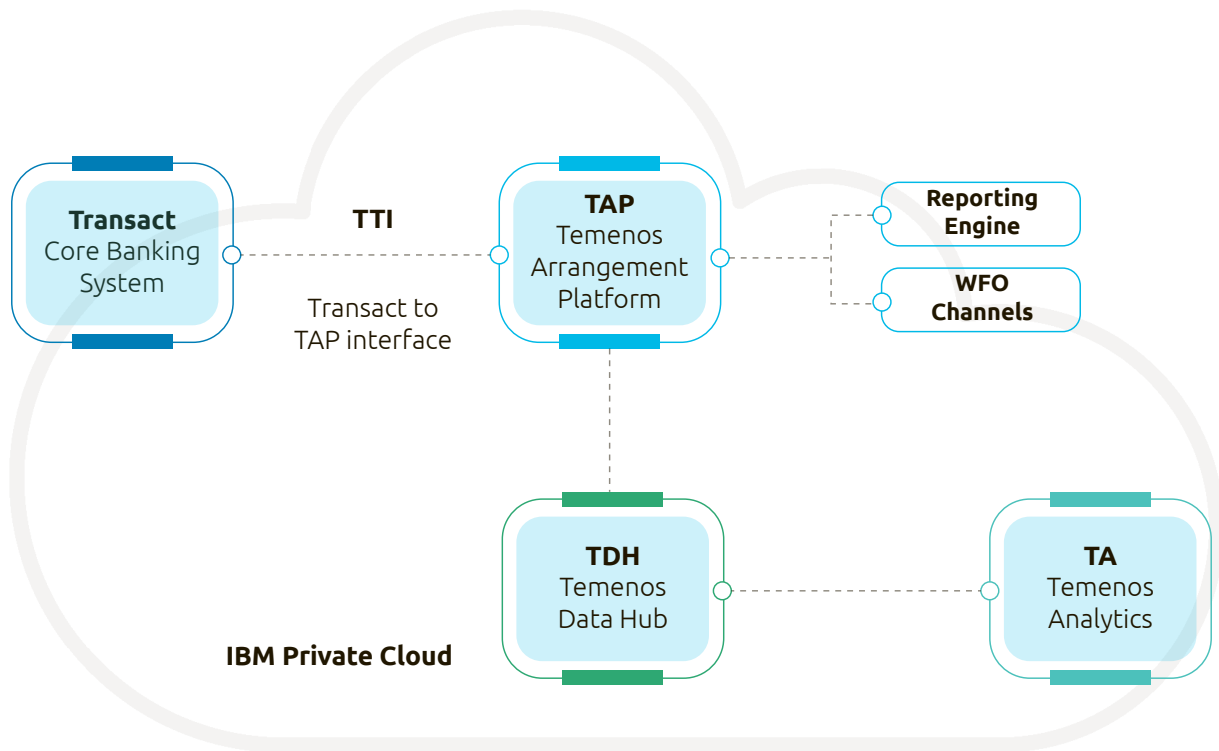


Figure 2: High-level application integration diagram

Transact components implemented on the IBM cloud, packaged as Kubernetes pods (Running on ROKS) instead of individual VMs, providing hardware resource efficiency, quick integration of code with testing environments, and rapid deployment of enhancements and features. This setup supports the use of microservices for specific functionalities.

Unique features of the solutions being delivered are,

- Implement all Temenos products with containerization & microservices architecture on any cloud platform especially TAP and Transact

- First R24 Implementation for all the products
- Unique solution that combines
 - **Re-platforming** (T24 implementation on IBM Cloud replacing existing back-office function),
 - **Re-implementation** (Front end / Portfolio management solution to R24) and,
 - **Re-Architecting** to Micro-services platform and composable banking at the same time.

Sample reference architecture

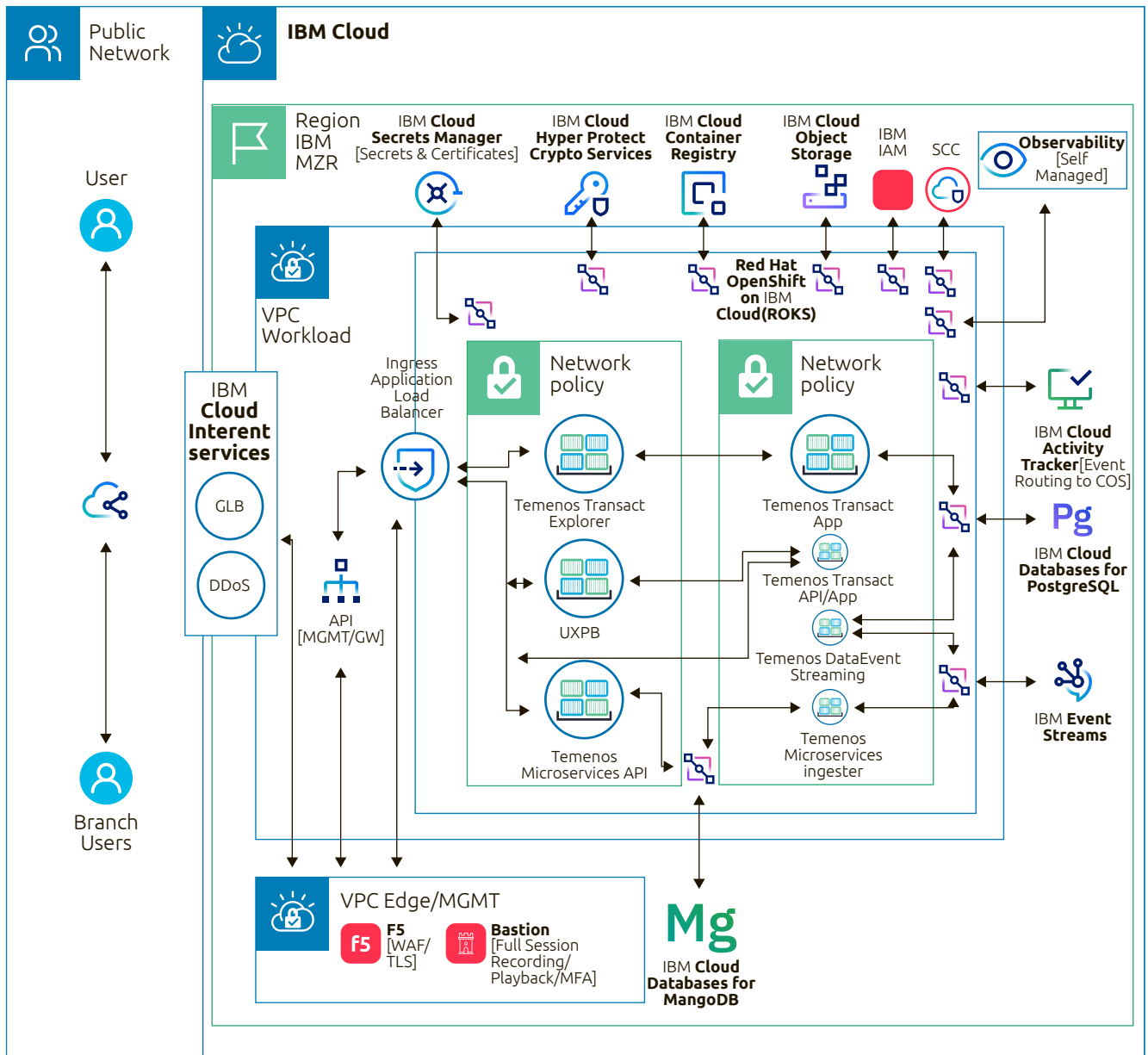


Figure 3: High-level sample architecture

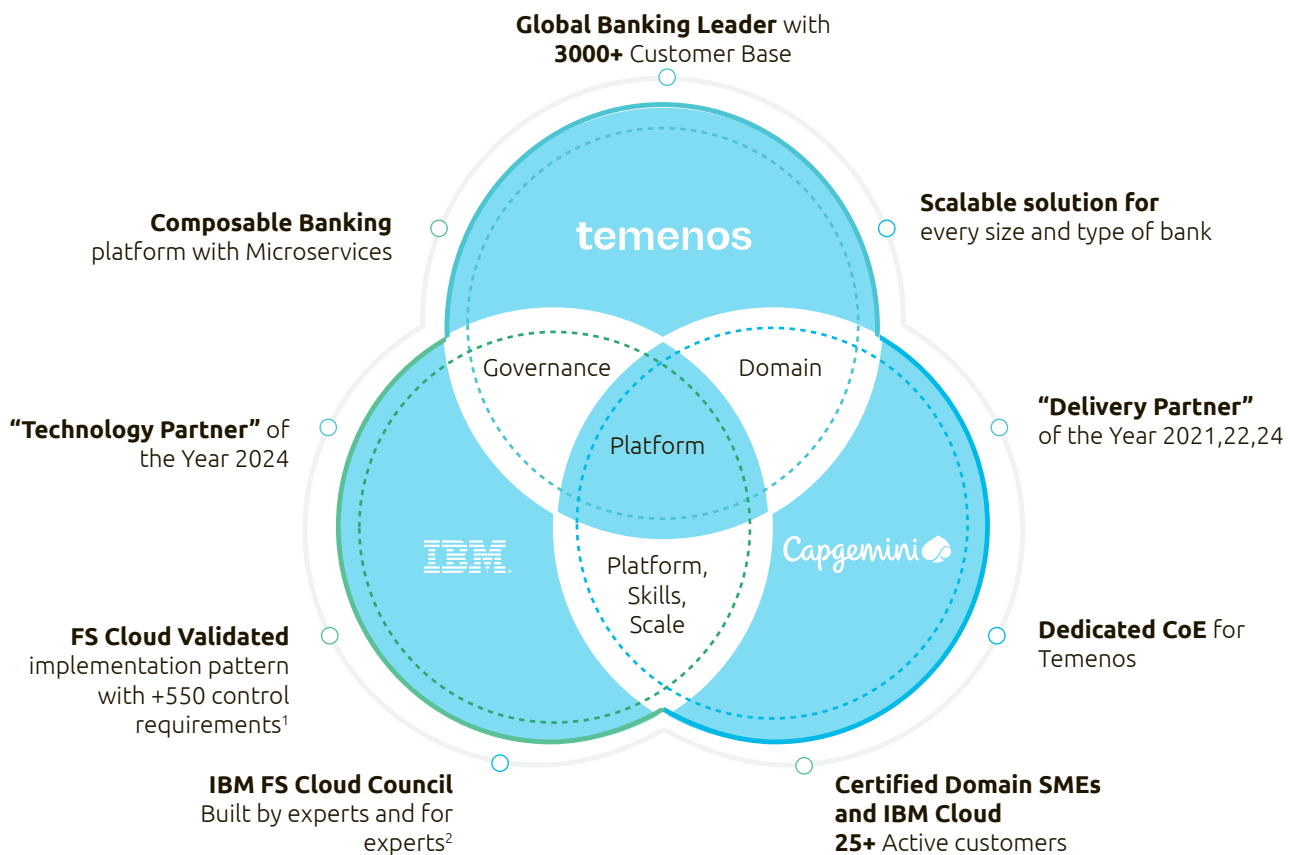
Source: [VPC reference architecture | IBM Cloud Docs](#)



This solution delivers several key benefits:

- **Integration of Temenos Transact**, the world's most widely adopted core banking product, renowned for its functional richness and used by over 3,000 customers globally.
- **Immediate Access to Market-Leading Capabilities:** The solution provides pre-packaged, pre-configured capabilities that support end-to-end banking experiences from a single platform.
- **Hosted on IBM Enterprise Cloud for Regulated Industries:** the matured platform is optimized to help clients manage mission-critical workloads challenges across resiliency, performance, security, and compliance. It is an enterprise-grade platform that can handle the power and performance of high-performance computing (HPC) and generative AI.
- **Risk and Compliance Management:** The platform addresses a comprehensive set of controls designed to address bank security requirements, regulatory compliance obligations, and cloud best practices.
- **Value Realization:** Clients can fully exploit the benefits of generative AI and hybrid cloud at scale. Capgemini and IBM are developing specific solutions, assets, and accelerators supported by the unique Temenos platform, aimed at improving total cost of ownership (TCO).
- **Flexibility:** offering high levels of performance and resiliency with hybrid cloud implementation options, maximizing security through a reliable and flexible infrastructure.
- **Expertise:** drawing on over 25 years of experience in implementing Temenos software, Capgemini expertly manages the platform on the IBM cloud, thereby significantly reducing third-party and fourth-party risks.

The Power of three: Delivering business value using composable platforms



1. <https://www.ibm.com/resources/guides/speed-innovation-financial-services-framework>
 2. <https://community.ibm.com/community/user/fssc/home>

Figure 4: Power of three: The Value Framework, combining Domain, Platform, Scale and Governance for better business value.

Through this collaboration, Capgemini and IBM are focused on helping clients realize the business value of adopting generative AI and Hybrid cloud while navigating challenges including cost, scale, and trust. It will enable joint clients to move their investments from individual pilots and proof of concepts to production at scale, by leveraging Capgemini’s existing network of Temenos Centers of Excellence (COEs). This expanded collaboration will also accelerate the deployment of innovative industry-specific and functional use cases using IBM cloud for regulated industries to access a range of secure, high-performing foundational models, including watsonx.

IBM’s Strategic Partnership with Capgemini: Capgemini is a platinum level Systems Integrator partner to IBM with over 20 years of serving joint clients. With over 340,000

employees in 50 countries of which 180,000 are in India, Capgemini is well positioned as a strategic partner and drives digital transformation in three main areas – Intelligent Industry, Customer First, and Enterprise Management underpinned by Insights and Data, Cloud, Cybersecurity, and Sustainability. Our partnership brings leadership and expertise on Hybrid Cloud and Mainframe Modernization, Intelligent industry, Business Automation, Data & AI, Sustainability and Quantum Computing. Together, we focus on Financial Services and Manufacturing industries among others.

IBM and Capgemini enable clients to unlock the value of technology to transform their business and responsibly transform our world.



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With Temenos Payments Hub, banks can quickly implement instant payments services like FedNow and can then proceed to progressively modernize their payments capabilities. We continue to invest in our single code base across payments and core banking, which is helping banks accelerate time to value.

By meeting the requirements of the IBM Cloud Framework for Financial Services, Temenos is the first payments solution on IBM Cloud for Financial Services, further reinforcing Temenos' commitment to helping clients with their payments transformation, while also making it more accessible to the large number of financial institutions already working with IBM.”

Ross Mallace

EVP Global Head of SaaS & Partner Ecosystem, Temenos

Learn more about Capgemini & IBM Partnership:

<https://www.ibm.com/partnerplus/directory/company/1641>

IBM | Technology Partners | Capgemini

Capgemini's Strategic Edge in Temenos Integration: Capgemini is Platinum Temenos partner having association since 1999, have delivered 100+ engagement across 50+ Countries. Capgemini is having largest pool of Temenos experts with highest number of TLC subscriptions. Capgemini has robust Temenos CoE structure which support 25+ Active client operating in Retail, Corporate and wealth domain supposed with all temenos offered Products. In journey with Temenos, Capgemini has built 30+ tools accelerators which supports various engagements as value add. Capgemini is the only partner who received **"Temenos – Global Delivery partner of the Year"** award Twice in 3 years along with Certified Development, Data Migration and Upgrade Partners certifications.

Learn more about Capgemini & Temenos Partnership:

<https://www.capgemini.com/about-us/technology-partners/temenos/>

IBM Cloud for Financial Services and Temenos:

IBM Cloud for Financial Services is a first-of-its-kind cloud, designed to protect even your most sensitive data and AI workloads. With built-in security and controls informed by the industry, IBM Cloud for Financial Services can help you optimize your infrastructure and demonstrate compliance so you can focus on what matters most: delivering value for your clients. partner who received "Temenos – Global Delivery partner of the Year" award Twice in 3 years along with Certified Development, Data Migration and Upgrade Partners certifications.

IBM has a long track record of collaboration with Temenos. Together IBM and Temenos help leading financial institutions adopt next generation banking technology & innovation. Financial clients are able to leverage IBM's expertise in providing secured, cloud infrastructure solutions with innovative payments and banking solutions that Temenos provides. The partnership between IBM and Temenos allows banking and finance clients to achieve compliance with strict regulations while at the same time bringing convenience, speed, and efficiency and governance within a hybrid cloud environment.

Learn more about IBM and Temenos Partnership

Learn more about IBM Cloud for Financial Services >

<https://www.ibm.com/cloud/financial-services>

IBM Power and Temenos: IBM Power is a trusted solution for 93% of Fortune 500 banks, and over 200 banks run Temenos on Power. This enduring partnership has consistently delivered superior performance, with clients experiencing double the performance per core compared to x86 systems and 50 times fewer vulnerabilities when using PowerVM versus VMware. Additionally, banks running on Power benefit from a 55% reduction in total cost of ownership (TCO) and a fivefold decrease in carbon footprint by leveraging IBM Power. The platform excels in IT security, performance, scalability, reliability, and recoverability, all meticulously designed to meet the rigorous requirements of banks and T24/Transact systems. This solution is seamlessly integrated into IBM's hybrid cloud infrastructure, operating both on-premises and through Power Virtual Server (PowerVS) on IBM Cloud. With Temenos on IBM Cloud and PowerVS, banks can harness IBM's robust, secure cloud infrastructure alongside Temenos' cutting solutions, ensuring a comprehensive and innovative banking experience.

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About Capgemini

Capgemini is a global business and technology transformation partner, helping organizations to accelerate their dual transition to a digital and sustainable world, while creating tangible impact for enterprises and society. It is a responsible and diverse group of 340,000 team members in more than 50 countries. With its strong over 55-year heritage, Capgemini is trusted by its clients to unlock the value of technology to address the entire breadth of their business needs. It delivers end-to-end services and solutions leveraging strengths from strategy and design to engineering, all fueled by its market leading capabilities in AI, cloud and data, combined with its deep industry expertise and partner ecosystem. The Group reported 2023 global revenues of €22.5 billion.

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