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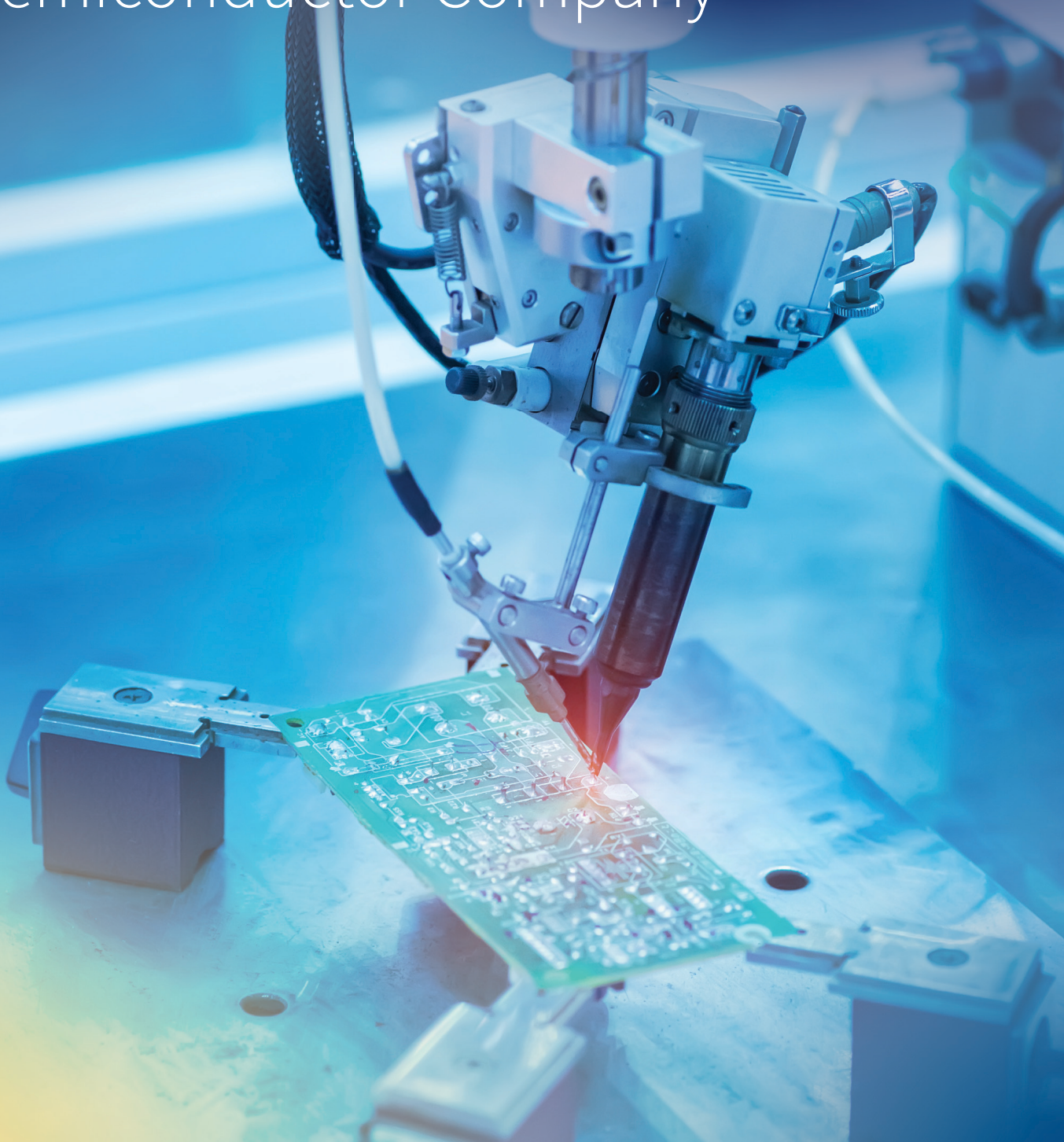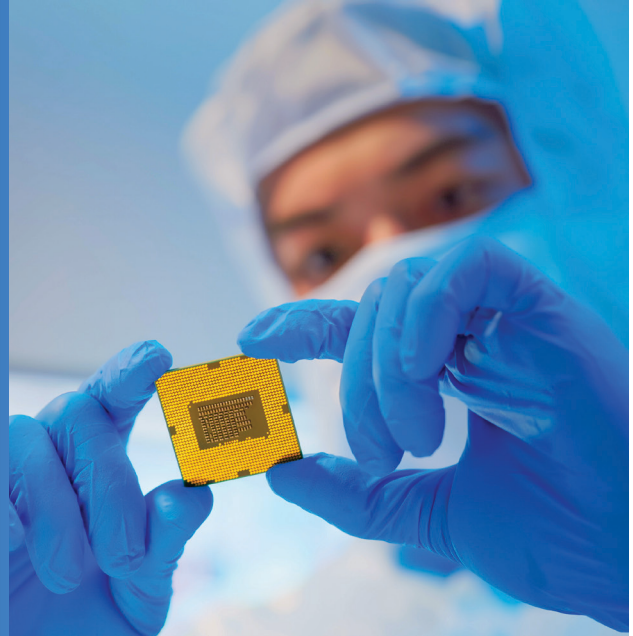
Transforming & Modernizing the Integration Framework
for a Leading American Semiconductor Company

Client

The client is an American developer and manufacturer of wide-bandgap semiconductors focused on silicon carbide and gallium nitride materials and devices for power and radio frequency applications such as transportation, power supplies, power inverters, and wireless systems.
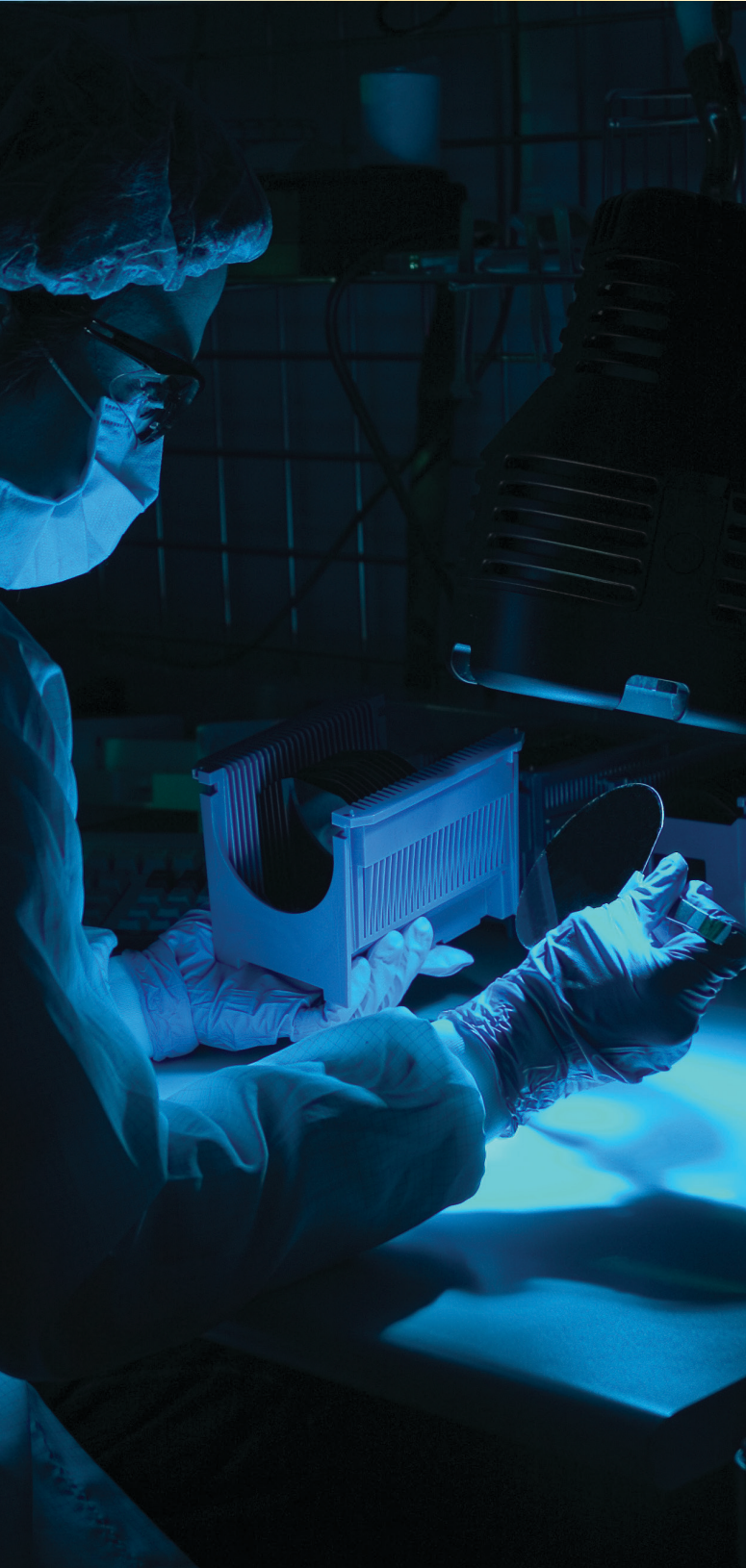

Challenges

As a part of the client's digital transformation initiative with SAP S/4HANA core ERP & SAP Cloud solutions, various applications needed complex integration with the core ERP.

These applications varied from the legacy non-SAP cloud to SAP cloud-based to custom-built homegrown. This created different challenges for the integration for the data formats and connectivity options, making the business processes more reliable and scalable with the future demands in scope.
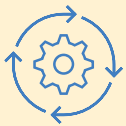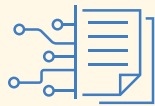
Our Solution

- Implemented SAP S/4HANA Private Cloud ERP as the digital core and aligned to the cloud-first strategy, using products like SAP, Ariba, IBP, Concur, Salesforce, etc.

- Integrated existing MES and new cloud products to ensure program success.

- Undertook design thinking workshops to reimagine and simplify business processes (100+ interfaces and 30+ applications).

- Developed Integration strategy, design principles, guidelines, and best practices at the start of the project for overall integration governance.

- Used APIs in batch processes and file interfaces to enable digital journey for legacy apps.

- Aligned with SAP's roadmap by finalizing pre-packaged integrations on the platform.

- Increased data visibility and integrity by using SAP MDG as "one source of the truth".

- Improved reporting accuracy and timeliness through better data management and legacy DB systems integrations.

- Improved system resilience by curating retry mechanism and error handling.
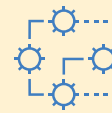
Business Benefits

Standardized over 90% of business processes
in Finance, OTC & MDM applications

Deployed scalable futuristic architecture
linking all business elements

Delivered enhanced efficiency & visibility
with 25+ industry capabilities across business divisions

About LTIMindtree

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 82,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit https://www.ltimindtree.com/.

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