

# Luxoft Services for Industrial Automation

Luxoft has a full suite of high technology design and engineering services geared to the needs of the most demanding industrial environments. From Semiconductor Fab Automation, through PLC programming, from Embedded Devices to AI enablement of industrial network and systems management Luxoft is making the journey to Industry 4.0 easier.

For over 15 years Luxoft Engineers have delivered I.T. Engineering projects to Semiconductor Manufacturers and Industrial Network Equipment providers. Luxoft has the experience customers are searching for including extensive knowledge in industrial communications, control, and smart-grid standards based on SCADA, IEEE, IEC, IETF, Zigbee, expertise in constrained embedded and real-time platforms, along with cloud-based applications, data management and artificial intelligence.

Luxoft helps our customers build, enhance, integrate, deploy and validate software solutions for high-tech & smart manufacturing, industrial control systems and industrial IoT tailored to their

clients' needs, using domain experts and SDLC best-practices, as well as Agile and DevOps tools and processes.

Luxoft helps customers build, enhance, integrate, deploy and validate solutions for Service/Network Management tailored to their clients' needs, using domain experts and SDLC best-practices, as well as Agile and DevOps tools and processes.

Luxoft helps our customers build, enhance, validate, deploy and maintain Embedded Systems tailored to their clients' needs, using domain experts and SDLC best-practices, as well as Agile and DevOps tools and processes.

## Luxoft Industrial Automation Capabilities



**15+**

years of product engineering services



**25+**

years of embedded platforms experience



**50**

automated projects delivered in industrial automation field



**200+**

professionals



**70%**












with advanced degrees (master and doctoral)



**30+**

top-level SMEs and consultants

# Luxoft Industrial Automation Capabilities

Offering	Capabilities and expertise			
 <p><b>Industrial Service Automation</b></p> <p>Industrial control systems and industrial IoT – based automation</p>	 <p><b>Constrained Embedded and Platform Software</b></p> <ul style="list-style-type: none"> <li>• Smart grid stacks</li> <li>• Emulation and automation (digital twin)</li> <li>• OS and apps</li> <li>• Protocol stacks</li> </ul>	 <p><b>FAB Automation</b></p> <ul style="list-style-type: none"> <li>• Semiconductor Applications</li> <li>• Diagnostics</li> <li>• Simulators</li> </ul>	 <p><b>Industrial Networking</b></p> <ul style="list-style-type: none"> <li>• Industrial communications stack</li> <li>• Reference setups</li> </ul>	 <p><b>Service Test, Validation, and Tools</b></p> <ul style="list-style-type: none"> <li>• Test and automation frameworks</li> <li>• 3rd party test integration</li> <li>• CI/CD infrastructure &amp; automation</li> </ul>
 <p><b>Embedded Platforms</b></p> <p>Hardware &amp; virtual appliances with cloud-based management</p>		 <p><b>ASIC Integration</b></p> <ul style="list-style-type: none"> <li>• ASIC/MCU/MPU API &amp; drivers</li> <li>• Kernel modules</li> <li>• HW DP protocols</li> </ul>		 <p><b>Integration and Automation</b></p> <ul style="list-style-type: none"> <li>• Gateway solutions</li> <li>• Cloud-based management and monitoring platforms</li> <li>• Calibration, performance, diagnostics applications</li> <li>• Network management systems</li> <li>• In-service monitoring</li> </ul>
 <p><b>Service &amp; Network Management</b></p> <p>Fulfillment and Assurance automation for cloud and on-prem environments</p>	 <p><b>FCAPS Support</b></p> <ul style="list-style-type: none"> <li>• Platform management &amp; monitoring</li> <li>• System instrumentation / implementation</li> </ul>			 <p><b>Predictive Optimization and Maintenance</b></p> <ul style="list-style-type: none"> <li>• AI/ML modeling, integration,</li> <li>• Use case drift and error analysis</li> <li>• Data collection, validation, transformation</li> </ul>

Contact us to find out more:

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