



Industrial Engineering Service

Description

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- [Overview](#)
- [Our Approach](#)
- [Our Services](#)
- [Our Work](#)
- [Speak With Us](#)

The industrial world is undergoing transformation with technological advancements at a rapid pace and with data exchange at the core of it. Companies across industry verticals are faced with challenges in industrial solutions deployments, automation intelligence, communications systems standardization etc. to ensure seamlessly connected processes and to enhance operational efficiency.

ATMECS provides engineering services in all layers of industrial activities from process, supervisory, enterprise applications to cloud systems. We have deep expertise in edge to cloud connected services for industrial automation and cyber centric smart factory services to provide future ready solutions for companies and OEMs.

ATMECS's Approach towards Industrial Engineering

ATMECS Global Inc. is an innovative, technology driven engineering solutions accelerator for the global industry sectors. Our industrial engineering practice SMEs and technology teams are equipped to help

our clients gain competitive advantage by optimizing their technologies for key strategic imperatives and enable them to overcome the operational challenges of Industry 4.0. ATMECS is well positioned as a strategic technology services partner for industrial manufacturing processes and operations for industry sectors including, but not limited to, energy, oil and gas, industrial machineries, automotive and aerospace.

Our approach is focused on providing agility and enhancing operational efficiency to our clients by leveraging the strengths of ATMECS Global as strategic technology partners to various conglomerates across the globe. Atmecs deep domain expertise falls in line with the central pillars of Industry 4.0 enabling:

- Interconnectivity between people, machines, devices and sensors
- Information transparency providing on demand, single version of the truth
- Technical assistance when and where needed
- Decentralizing decision-making to decrease lead times with increased automation

Our industrial engineering services

With SMEs having cross functional combined experience of over three decades, ATMECS understands the challenges, complexities and requirements of various industrial segments engineering and operational needs. ATMECS can support industrial automation, cyber centric smart factory IIoT acceleration and a host of solutions on key focus areas of Industry 4.0.

Software Applications
Embedded Systems
Digital & IIoT
Electronics & Electrical
Testing & Certifications
Product Design (CAD) & Simulations (CAE), Proto Development
Software Applications

ATMECS provides software development services for industrial operations and control systems

- Operations Management
- Device & Controller
- Device Integration, Migration
- Automation Hosts
- Visualization, Cloud & Analytics
- Protocol Stacks
- IT, OT Applications
- Edge Device Management
- User Interfaces, HMI

Embedded Systems

ATMECS enhances industrial automation through embedded systems

- Hardware & System Architecture, Safety Critical Design, Protocols Hardware Design
- Middleware, Firmware & Board Bring up, BSP, UI/UX, HMI
- Protocol Stack Porting, Interfacing and Integration
- Migration & Re engineering
- Intrinsic Safe, EMI,EMC RoHs Compliance Design

Digital & IIoT

ATMECS offers digital engineering and IIoT, cloud and analytics services

- Digitization and Virtual Management of Assets and Devices
- User Experience, Product Selection Tools & Applications
- Industrial IoT Cloud Platform
- IoT Data Platform, Assets IIoT Apps, IT/OT Convergence, Cybersecurity Centric

Electronics & Electrical

ATMECS enables industrial products development through electrical and electronics services

- Sensors, Controllers, Edge Device Configuration
- Sensor Data Acquisition, Processing and Control
- Sensor Connectivity & Communication
- Electrical and Electronics & PCB
- Electrical Products, Instrumentation, Control Systems Solutions

Testing & Certifications

ATMECS Enables industrial products development through services in quality engineering

- Test Automation
- Functional and Performance Testing
- Network & Protocol Testing
- Device and System Testing
- Security and IIoT Edge and Cloud Testing
- Pre Compliance Certification Testing & EMI, EMC, RoHS, CE Marking
- Testing as a Service (TaaS)

Product Design (CAD) & Simulations (CAE), Proto Development

ATMECS provides Computer Aided Design (CAD) and Design verification through virtual reality simulation (CAE) for electrical, electronics and mechanical systems

- Benchmarking and Teardown Studies
- Industrial Design, Product Ideation and Concept Development
- Engineering Design & Mechanical and Electrical CAD

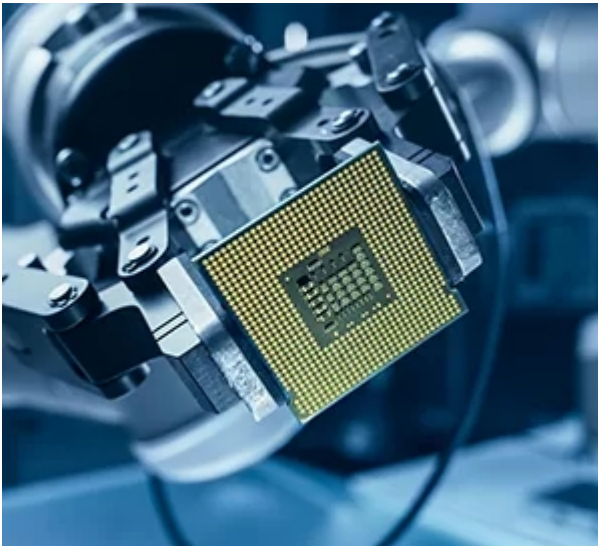
- CAE Simulations â?? Thermal, Thermo Mechanical, Multiphysics, Impact, Heat Sink Simulations
- Proto Development â?? Soft & Hard Tools, Machines Based â?? Rapid, SLA, SLS, 3D Printing

Our Work

Our battle tested teams have the experience, industry knowledge, technical skill, partner relationships, methodologies, global reach and passion to support our clientsâ?? success and make their business vision a reality.



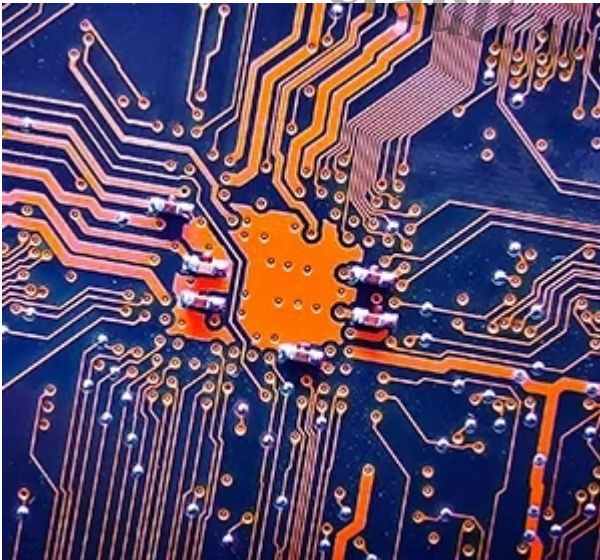
Software Application



Embedded Systems



Digital & IIoT



Electronics & Electrical

Our Team of Experts

Our subject matter experts are seasoned industry professionals who can provide thought leadership and strategic or tactical support on your next digital transformation initiatives.



VENKATESA VISWANATHAN (VISHY)

CHIEF DELIVERY OFFICER

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Bio

Venkatesa Viswanathan

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A three-decade long career has seen Vishy deliver complex projects spanning the various facets of the IT Industry â?? Product Engineering, Software Services, Infrastructure, Business Operations, and Customer Support. His expertise lies in managing large accounts, providing governance leadership, and increasing productivity.

An excellent communicator, a people-oriented leader with a penchant for technology enablement, Vishy believes People, Delivery, Innovation are the cornerstones for fruitful customer engagements.

Prior to joining ATMECS, Vishy has worked with Kony Labs, Ness Technologies, AINS Inc., and ITC Limited. His key achievements include setting up the India Enterprise Centres for Franklin Templeton and Invesco.

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JEETENDRA (JEETU) CHAVATE

VICE PRESIDENT & SALES

Bio

Sanjay Singh

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With experience in large organizations and applying those learnings to start-ups and more importantly unlearning is what Sanjay loves to do. A career spanning about 25 years, he has built passionate technical teams at Microsoft, NorthgateArinso, Rofous, and is replicating the success at ATMECS.

Sanjay works with an objective to uncover the potential of software engineers and empower them to reach greater heights in the field of software creation and personal growth. Relentless optimism is what he believes in.

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RAMAKRISHNA GUMPINA

VICE PRESIDENT, ENGINEERING

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Bio

Ramakrishna Gumpina

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Ramakrishna, who is also known as Ramki, joined ATMECS as Vice President Engineering in early 2020. Ramki has managed numerous roles in his career path including Service excellence Lead for Northern Trust bank, Delivery manager for Deutsche Bank, Head of the Change for UKAR, Service delivery manager for Lloyds bank, American General and AIG. 22+ Years of experience in Banking, Financial Services and Insurance domain, Professional experience in project, program management, organizational building strategy IT strategy, governance, outsourcing, Automation, and business performance improvements

Before coming to ATMECS, he worked as Principal Consultant for Infosys for a short stint and delivered Service Excellence for Large Banks and provided 28% Productivity improvements with numerous Automations. Received various prestigious awards like "Be the Navigator", "iBpp" Improvising Business Process and Profitability" and "Best automation project" awards from Infosys COO/ CFO in a year. Before that, he was with HCL technologies where he spent over two decades.

He started his career with HCL back in 1998 and he has managed high stakes projects across three regions – India, UK and USA – for them. Amongst his peers, he is considered not only as a Vice President but also as a passionate mind who constantly brings innovative ideas to every discussion. He can speak six languages – English, Hindi, Kannada, Oriya, Tamil and Telugu. His accolades include – ‘Outstanding Performer for HCL’ awards for 7 years in a row amongst many others.

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SAI S SAMPATH KUMAR

ASSISTANT VICE PRESIDENT, PRODUCT MANAGEMENT

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Bio

Sai S Sampath Kumar

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Sai has about 20 years of experience across multiple industries and geographies with functional expertise in Business Analytics, Product Management, Business Strategy and Organizational Leadership. At ATMECS, he plays at the convergence of Sports Business, Digital Technologies and Next Generation Analytics.

Prior to joining ATMECS, he held influential analytics and product management roles with companies like Progressive Insurance, Farmers Insurance in the US, has been a second generation small

business owner in manufacturing and has worked with top sports organizations in India as an entrepreneur. Sai holds an MBA degree in General Management from Cornell University, an MS in Applied Statistics from Bowling Green State University, USA. He is also a certified Lean Six Sigma Black Belt.

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Are you interested in what we do? Reach out to the passionate minds!

With vibrant, energetic, agile, nimble teams, we are constantly looking to solve complex problems. Contact us to know more!

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Author

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