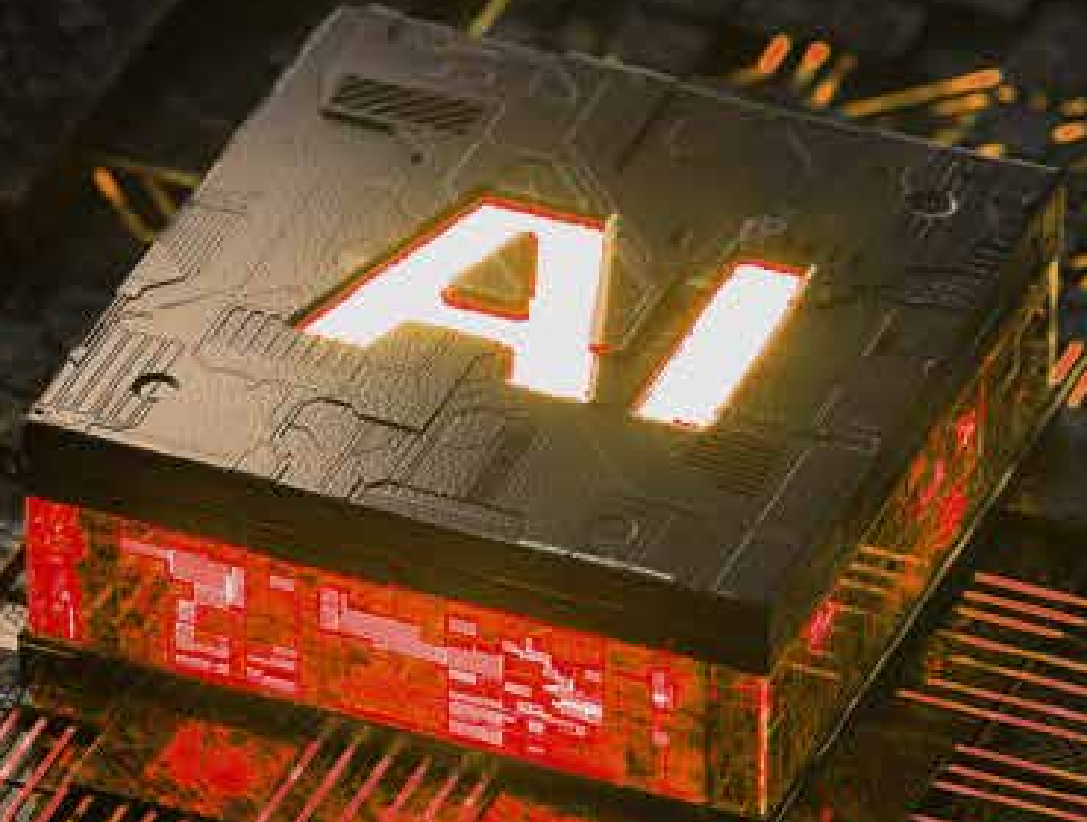


# Smart Data-Driven AI and RPA Solutions

Machine Learning | Deep Learning | Internet of Things | Digital Transformation

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Providing Artificial Intelligence Solutions to  
Overcome Challenges of Industry 4.0



# About

*Powersoft19 is a technology consulting company helping businesses grow with rapid digital transformation by solving complex and sophisticated challenges of Industry 4.0.*



Artificial  
Intelligence



Machine  
Learning



Internet of  
Things



Enterprise  
Applications



Digital  
Experience



Cyber  
Security

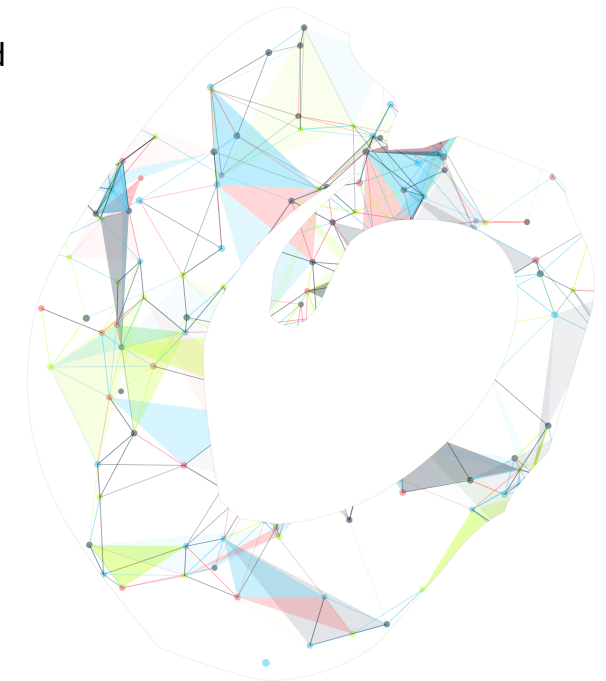


Information  
Technology

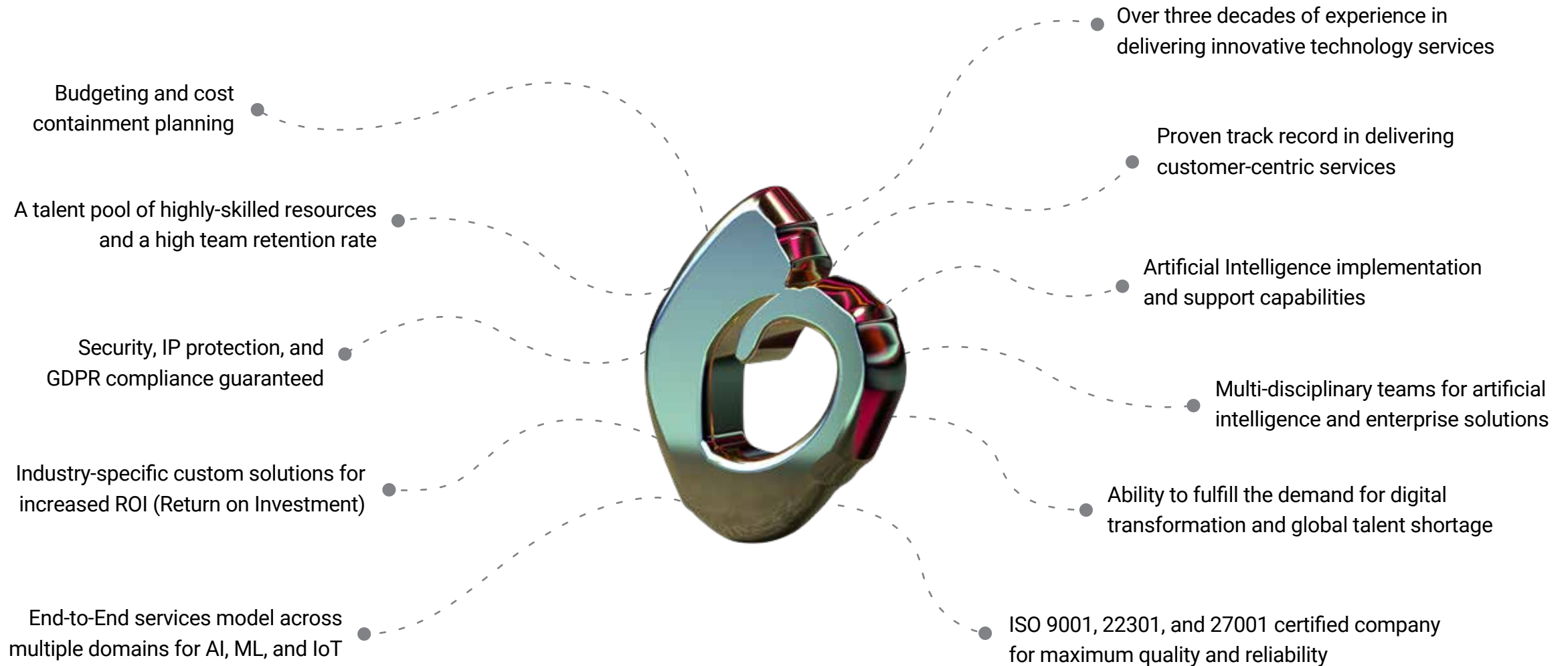
*Powersoft19* works as an extended global team with businesses to augment their virtual workforce that drives business outcomes and solves unmet needs. Our refined services aid the public and private sectors realize a higher investment return. We deliver, scale, and implement custom solutions for organizations to enable them to proliferate.

## *After All, It Is All About People*

*Powersoft19* values its People and strives to build a synergistic relationship with all stakeholders, including our team, clients, and partners. We proudly promote a people-oriented culture in our environment.



# Competitive Advantage



# Enabling Smarter Industries

*Powersoft19* delivers intelligent solutions to enterprises across a wide range of industries globally with a commitment to our clean environment. Our team helps enterprises develop intellectual business capabilities and enable them to make smarter and better decisions.



Energy



Aerospace



Automotive



Supply Chain



Manufacturing



E-Commerce



Locomotives



Telecommunication



Retail & Shopping



Civil Infrastructure



Public Services



Healthcare



Real Estate



Banking



Finance

# Delivering Intelligent Solutions from Concept to Completion

*Powersoft19's* experts work closely with clients as an extended team for project-based services. We excel in delivering a complete package of solutions that complement each other throughout each phase of the product development lifecycle and project management.



## Innovative Intelligent Solutions

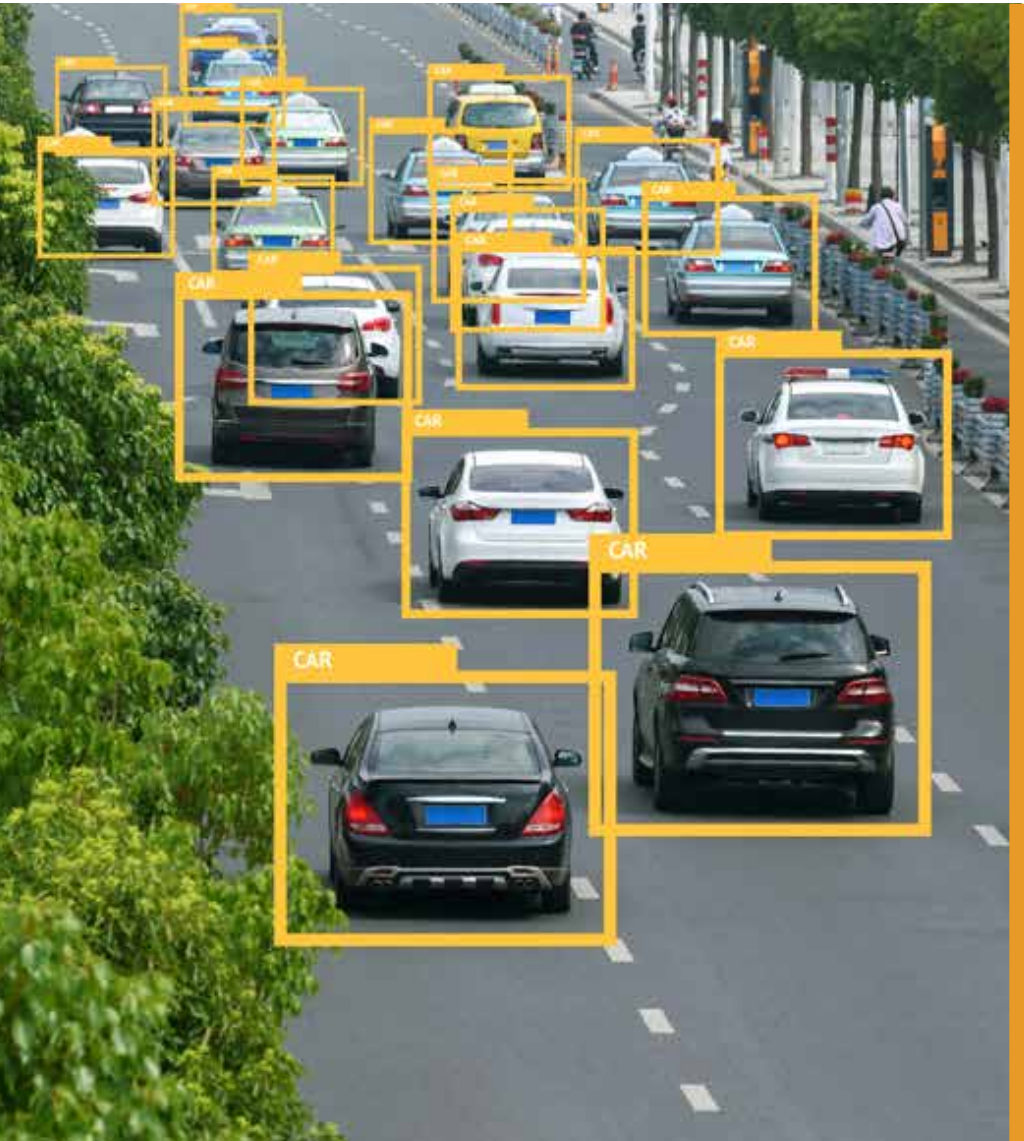
We help our clients through rapid digital transformation solutions to introduce intelligence into the business. Along with the implementation of IoT-centric connected devices, our ecosystems are built upon the best practices regarding user-centric digital experience.

## Artificial Intelligence Services

*Powersoft19* helps you realize the upcoming business opportunities from implementing AI solutions to a completely autonomous system – with machine learning, deep learning, data analytics, and automated processes – enabling you to increase productivity and make better decisions faster.



# Intelligent Business Solutions



## Transportation and Transit Systems

Artificial Intelligence is one of the new-age technologies that is helping the public and industrial sectors overcome the challenges we face in our daily lives for transportation, transit, logistics, and supply chain. Powersoft19's team can help you innovate AI solutions to solve your unmet needs for transit management systems, transportation efficiency, net-zero carbon footprint, public safety, supply chain management, logistics automation, and more.

AI is changing the transport sector drastically, including automotive, trains, trams, ships, and airplanes, to function autonomously and make transit smoother. In addition, we can help you further simplify your business operations and ease of living with more intelligence, security, efficiency, and hygiene, reducing human errors with automation.

# Intelligent Business Solutions



## Smart Grid Transformation

Artificial intelligence is an intelligent agent that drives smart grids and provides strong technical support for digital energy networks. Powersoft19 delivers intelligent solutions for the smart grid to maximize interoperability and system scalability coupled with enhanced cybersecurity and digital connectivity.

Some of the many challenges we help our clients solve pertain to multiple domains from power generation to transmission and distribution to substations, smart meters, and consumers.



System  
Optimization



User Behavior  
Analysis



Critical Data  
Analysis



Predictive  
Analysis



Fault Diagnosis



Troubleshooting



Digital Twin



Smart Device  
Communication



System  
Cybersecurity



Safety-Critical  
Embedded Systems



Energy Efficiency  
Management



Energy Management  
System



# Digital Transformation



## Robotic Process Automation (RPA)

Many enterprises worldwide have already embarked on the RPA journey. They are heading towards a completely autonomous system. An RPA boost can help you scale your business and increase efficiency. Enterprises need the right partner to help them leverage RPA services that are cost-effective and productive with satisfying results for a better customer experience. RPA can help you automate manual digital tasks, including data entry, predictive maintenance, and service support, by using automation software to save significant time and expenses.

*Powersoft19* delivers custom RPA development solutions with the implementation and integration of artificial intelligence and machine learning to enhance your complete enterprise ecosystem. Our experts can help you leverage RPA benefits by automating your business processes to achieve higher efficiency, reduce overhead costs, unlock deep insights, provide excellent customer experience, and strengthen robust cybersecurity. *Powersoft19* helps you implement intelligent RPA solutions using cutting-edge tools, including Kryon and UiPath.

- RPA Design and Implementation
- Customer Service Automation
- Intelligent Document Processing
- Intelligent Knowledge Processing
- Data Migration Automation
- Enterprise Apps Integration
- E2E Process Automation
- Controls Dashboard
- Data Protection and Security
- Systems Data Analysis
- ERP Management System
- Report Generating Automation



# Digital Transformation



## Enhance Mobility with Enterprise Applications

*Powersoft19* realizes the rise of on-demand services, data-driven digitalization, artificial intelligence, customer-centric business goals, and dynamic market needs for enterprises to launch applications that provide an empathetic user experience. In addition, the digital disruption of our age has increased the demand for complex, scalable, distributed, component-based, and mission-critical applications.

We assist businesses in designing and developing intelligent and smart apps capable of quicker connections and faster operations combined with an unparalleled customer experience at lower costs. We adapt quickly to client-specific technologies and excel in using the best software tools and platforms to develop custom enterprise apps with complete end-to-end solutions, including API-Integrations.

- Digital Transformation Services
- Web and Mobile Apps Development
- Software Design and Development
- Database Design and Development
- Open-Source Technology Apps
- Web- and API-Integrations
- System Architecture
- Supply Chain Management
- Access Control Solutions
- Infrastructure Management
- Data Analytics and Transformation
- Machine Learning and Deep Learning

# Digital Transformation



## Game-Changing IoT Solutions

*Powersoft19's* customized IoT solutions are highly sophisticated and result-oriented for industry leaders globally. Our professionals tap into the full potential of today's cyber-physical systems era to create powerful and effective IoT solutions. As a result, we have completed numerous M2M and industrial automation projects with impressive business outcomes over the last 20 years.

Businesses in the transportation and oil and gas industries have been applying IoT solutions in automation and M2M applications for decades. However, more enterprises have entered the race to digitalize their field assets and increase their devices' connectivity for rapid data transfer, monitoring, and controls.

*Powersoft19* offers a unique end-to-end services model encompassing hardware, firmware, connectivity, data gathering and processing, and consultancy.

- Preventive Maintenance
- Quality Management
- Intelligent Systems
- Process Automation
- Asset Management
- Remote Diagnostics & Analysis
- Cloud Management
- Remote Monitoring
- Environmental Monitoring
- Energy Optimization
- Live-Feed Video Surveillance



# AI-Driven Smart City



## Leveraging Next-Gen Emerging Technologies

The rapidly growing population and urbanization are overburdening cities today. Smart cities can leverage an ecosystem of connected devices and digital technologies to gather data and derive insights to streamline and improve city operations. Next-gen technologies like artificial intelligence, machine learning, data analytics, robotic process automation, and 5G communication, coupled with enhanced cybersecurity, can help overcome the challenges of this era. A significant number of smart cities are already being developed across the world, leveraging these technologies.

*Powersoft19* develops innovative smart city solutions that are purpose-built and comply with human-centric specifications and requirements. Our custom services for smart cities adopt artificial intelligence to solve public operational challenges and improve living standards and city accessibility.

Additionally, our multi-disciplinary team has extensive experience developing artificial intelligence, machine learning, and digital transformation solutions to address any challenges in the public, industrial, and commercial sectors.

# Success Stories



## Smart Digital Access Control RFID Technology for Smart Enterprises

Powersoft19 partnered with a leading technology firm that develops intelligent devices for facility security – to innovate cutting-edge RFID technology with futuristic features that revolutionized physical access control, replacing legacy systems. The new system took the RFID industry to the next level with increased efficiency, improved security, and digital access control management. Working together, we untangled complex industry challenges of digital access with a game-changing solution contributing to the smart city industry.



## Intelligent IoT Solutions for the Gas Detection Industry

A leading global firm in the gas detection industry that develops, manufactures, and services fixed and portable gas detection equipment, engaged us for innovative solutions of IoT and artificial intelligence. We collaborated closely, which led to astounding success in new product development, legacy products sustenance, requirements engineering, quality assurance, and standards compliance. We helped our client develop market-leading gas detection equipment – products that have saved countless lives.



## Intelligent Document Processing for Law Enforcement Agency

A client from the US public services sector engaged us for an intelligent document processing startup project to help pioneer a revolutionary product, redefining investigative services. This enabled law enforcement personnel to document crimes, accidents, and incidents effortlessly using mobile phone devices. Some of the major considerations for this project included following a predefined process of law enforcement agencies that varied for all 50 states while ensuring security and deciphering the standards applicable to such operations. As a result, the startup project raised over \$4 million.



## Railroad Worker Protection System for Transportation Industry

A prestigious company from the rail industry engaged us to develop an IoT-based railroad worker protection system. We helped them develop a groundbreaking product line from an idea to installation. This comprehensive product portfolio addressed the market's most critical need – life safety. The patented railroad worker protection system provides the highest level of safety with self-healing neural network technology. And the company was able to save countless lives and continues to protect railroad workers from uncertainties and human error.



# Success Stories



## Innovative and Secure, Intelligent Solutions for Smart Grid

*Powersoft19* helped a startup company in the energy and smart grid sector to become a pioneer of intelligent technology based on safety-critical embedded systems. We helped our client modernize their legacy systems and digitalize their field products to resolve today's power distribution and transmission challenges. The technology involved the development of embedded firmware, quality assurance, test automation, PCB and hardware design, mechanical and electrical engineering, and compliance with international standards. As a result, our client aims to deliver futuristic technology and transform smart grids for a better future and a cleaner, greener environment.



## Intelligent Control Platform Solution for Rail Industry Operations

Another client of *Powersoft19*, from the locomotives industry, provides intelligent expert solutions to improve global freight and logistics operational efficiencies. We helped them secure their Intellectual Property by drafting patents in different domains, developing new concept products, and providing them with services for their legacy software. *Powersoft19* has developed multiple products on a collaboration and turnkey basis for our client. We also designed and developed the complete solution, including the hardware and software of the newly launched next-gen controller platform for our client's products.



## Automated Remote-Control Communication System for Locomotives

One of the prestigious technology innovators engaged us to develop an innovative solution for industrial remote controls. *Powersoft19* helped to turn around their technology into cutting-edge M2M communication systems. The partnership for continual produce line enrichment brought about 2.5 million lines of MISRA-C firmware and software, the transformation of ordinary remote controls into an intelligent communication system, and an automation solution for over 1000 locomotives. Today, our client is a market leader in the design and supply of high-reliability wireless remote-control systems serving the rail, mining, and industrial markets globally.

# Contact Us

Drop us a line and let us know what we can do for you. There is no limit to what our passionate team can make possible for you. Here are some examples:

- Come up with an idea to solve a challenging issue faced by your business
- Execute a complex project/product idea
- Take the burden of managing legacy products off your shoulders
- Provide a skilled project team to augment your in-house resources
- Provide consultancy about your industry standards and market trends
- Architect a customized partnership model with *Powersoft19* to empower you to beat the competition

✉ [info@powersoft19.com](mailto:info@powersoft19.com)

🌐 [www.powersoft19.com](http://www.powersoft19.com)

