101 Solutions Services: Empowering Digital Transformation

As leaders in digital transformation and industrial innovation, **101 Solutions** offers a range of high-value services tailored to meet the unique needs of our clients. From consulting and design to implementation and support, our services empower businesses to optimize operations, enhance productivity, and achieve long-term success.

With 20 years of experience delivering innovative solutions, 101 Solutions is your trusted partner in digital transformation and industrial innovation. Our customized approaches, proven expertise, and focus on quality ensure exceptional results, on time and within budget.

Services

Augmented and Mixed Reality Solutions

Implementation of **PTC's Vuforia Suite:**

- **Vuforia Expert Capture:** Documenting and digitizing expert knowledge into AR instructions.
- **Vuforia Studio:** Creating immersive AR experiences for operational efficiency.
- **Vuforia Chalk:** Enabling real-time AR collaboration for remote troubleshooting.
- **Vuforia Engine:** Custom AR app development for specialized use cases.

AR-based training modules for faster onboarding and skill development. Maintenance and troubleshooting assistance using AR-enhanced solutions.

Digital Transformation Consulting

Assessment of current workflows and operations for digital readiness. Roadmap development for Industry 4.0 implementation. Identification of areas for efficiency gains and cost reductions. Tailored strategies for integrating automation, IIoT, and AR technologies.

Smart Manufacturing Solutions

Development and deployment of **smart factory** technologies. Integration of real-time monitoring systems and predictive analytics. Process optimization to reduce waste, enhance productivity, and improve quality. Robotics and automated control systems for efficient manufacturing operations.

Industrial IoT (IIoT) Integration

End-to-end IIoT platform implementation for enhanced operational visibility. Data collection and real-time analytics to drive decision-making. Predictive maintenance solutions to minimize downtime and equipment failure. Integration of IoT devices with existing control systems for seamless connectivity.

3D Modeling and Visualization

High-quality 3D modeling for design and simulation. Creation of digital twins for virtual testing and optimization. Real-time 3D visualization for complex system operations and maintenance planning.

Training and Skill Development

Customized training programs for operators, technicians, and managers. AR-based training using **Vuforia Expert Capture** and **Studio** for faster skill adoption. On-site and virtual training options tailored to client needs. Administrator training for system management and optimization.

System Integration and Customization

Integration of multiple technologies into a unified, scalable system. Custom software and hardware solutions to meet specific operational requirements. Collaboration with client IT teams to ensure seamless implementation. Optimization of existing systems to align with Industry 4.0 standards.

Support and Maintenance Services

24/7 technical support for mission-critical operations. Remote monitoring and troubleshooting services. Scheduled maintenance to ensure optimal system performance. Regular updates and enhancements to keep systems aligned with technological advancements.

Specialized Sectors We Serve

Manufacturing
Smart factory integration and robotic process automation.

Oil and Gas
Automation and control systems for upstream, midstream, and downstream operations.
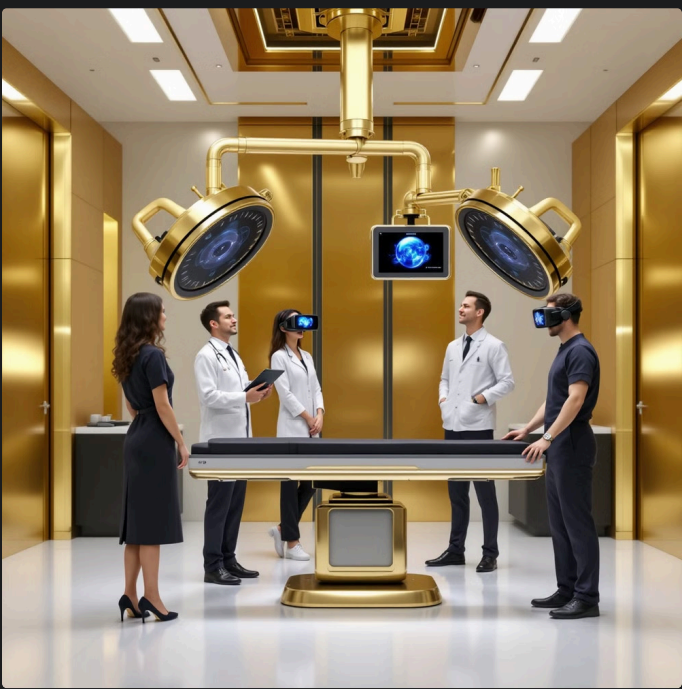

Renewables
Smart solutions for solar, wind, and hydropower plants.

Water/Waste Treatment
Predictive maintenance and process optimization.

Healthcare
AR-enhanced training and equipment management for all including Pharma

Automotive
IoT-enabled production monitoring and control.

Food and Beverage
Automated production line optimization.

Aerospace
Advanced control systems and AR-assisted maintenance.

Energy and Utilities
Grid automation and smart energy solutions.

Value-Added Services

Performance Analytics
Post-implementation analytics to measure efficiency gains, ROI, and system effectiveness.

Change Management
Assistance with transitioning teams to new technologies and processes.

Long-Term Scalability Planning
Strategies for expanding and upgrading solutions over time.

Sustainability Solutions
Integrating technologies to meet green energy goals and reduce carbon footprints.

Why Choose 101 Solutions?

1 **Customized Approaches**
Every service is tailored to meet your unique business needs.

2 **Proven Expertise**
20 years of experience delivering innovative solutions.

3 **Cost-Effective**
Purposefully lean to minimize costs and maximize value.

4 **Agile and Reliable**
Project-dependent resource allocation ensures efficiency and success.

5 **Focus on Quality**
Committed to delivering exceptional results, on time and within budget.

Contact Us