

# IoT & AI BASED SOFTWARE FOR CNC MACHINES

Industry  
Manufacturing

Technology  
.NET Framework | C# | WPF | Entity Framework | SQL Server



## ABOUT PROJECT

Our client in the US is well renowned for manufacturing customized CNC machines for Windows & Doors since 30 years. Their business needed to evolve from selling CNC machines to a company that builds Intelligent CNC machines enabled with IoT & AI based software. They required a solution for better production management and a product that can be sold as an ERP system in the future, that eventually turns into a revenue stream.

## THE REQUIREMENT

- Migration and Upgrade to IoT & AI based Solution
- Centralized & Remote Management on Cloud
- Highly Secured IoT enabled System
- AI based Predictive Analytics
- Ease in Production Management & Connected Operational Intelligence
- High end Customization to Meet Different Requirements



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Marici upgraded the existing solution for our client and brought a new revenue stream with IoT and AI based Predictive Analytics system.

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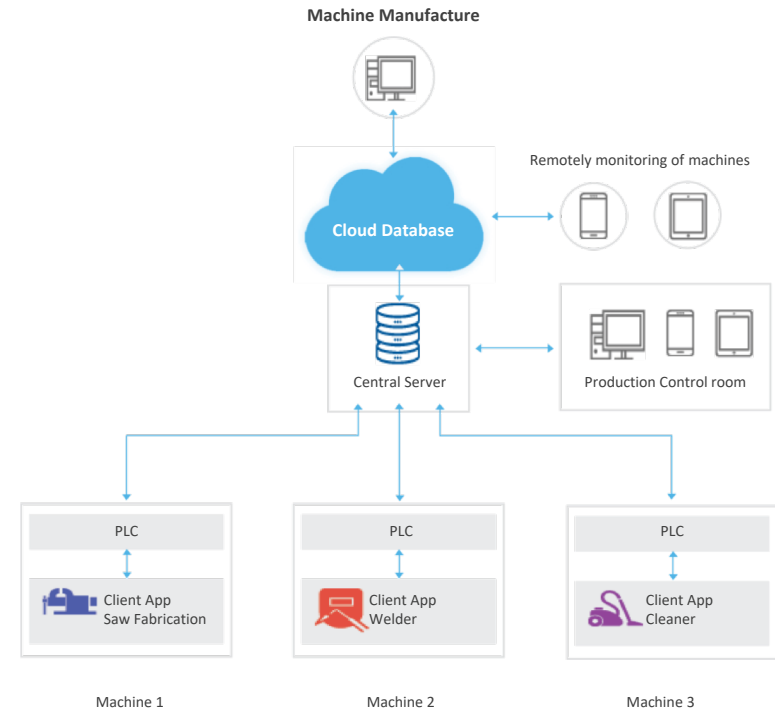
Industry  
Manufacturing

Technology  
Microsoft.NET | WPF



## THE SOLUTION

- Responsive UI & touch enabled smart navigation
- Synchronization of data & waste control management
- 2D & 3D visualization for cutting & punching
- Component management system
- Fabrication process algorithm
- Permission based access for multi-level roles
- Alarm system for tracking errors, tools & backup
- Cloud based ERP system
- AI-based machine & material optimized system



## THE BENEFITS



Smart & Upgraded Software System



Higher Precision & Accuracy



Saving of Time & Efforts



Improved Efficiency in Management