

Drive Smart Industry with Celebal Technologies' Azure Digital Twins (ADT) Solutions



Gaining a holistic view of an industrial plant is intrinsic for business growth. Moreover, simulations are indispensable for optimization opportunities, provided they are cost-effective. Here, Azure Digital Twins (ADT) finds its implementation. The virtual representation of physical assets (devices, people, processes, or systems) in real-time offers performance insights and potential problems.

The Digital Twin solution, combined with IIoT, machine learning, big data, and other artificial intelligence tools, gathers data from IoT sensors and business systems to reduce operational costs, amplify productivity, enhance performance, and change the way predictive maintenance and forecasting are done.

Core Capabilities of Azure Digital Twins (ADT) Solutions

- ✓ Azure IoT Hub, Logic Apps, and REST APIs provide seamless integration of IoT sensors and business systems.
- ✓ Graph-based execution environment to bring your digital twins to life.
- ✓ Embrace open modeling language to create customized domain models for any connected environment.
- ✓ Output twin change events to Azure Data Explorer, Azure Synapse Analytics, Event Hubs, and other downstream services.

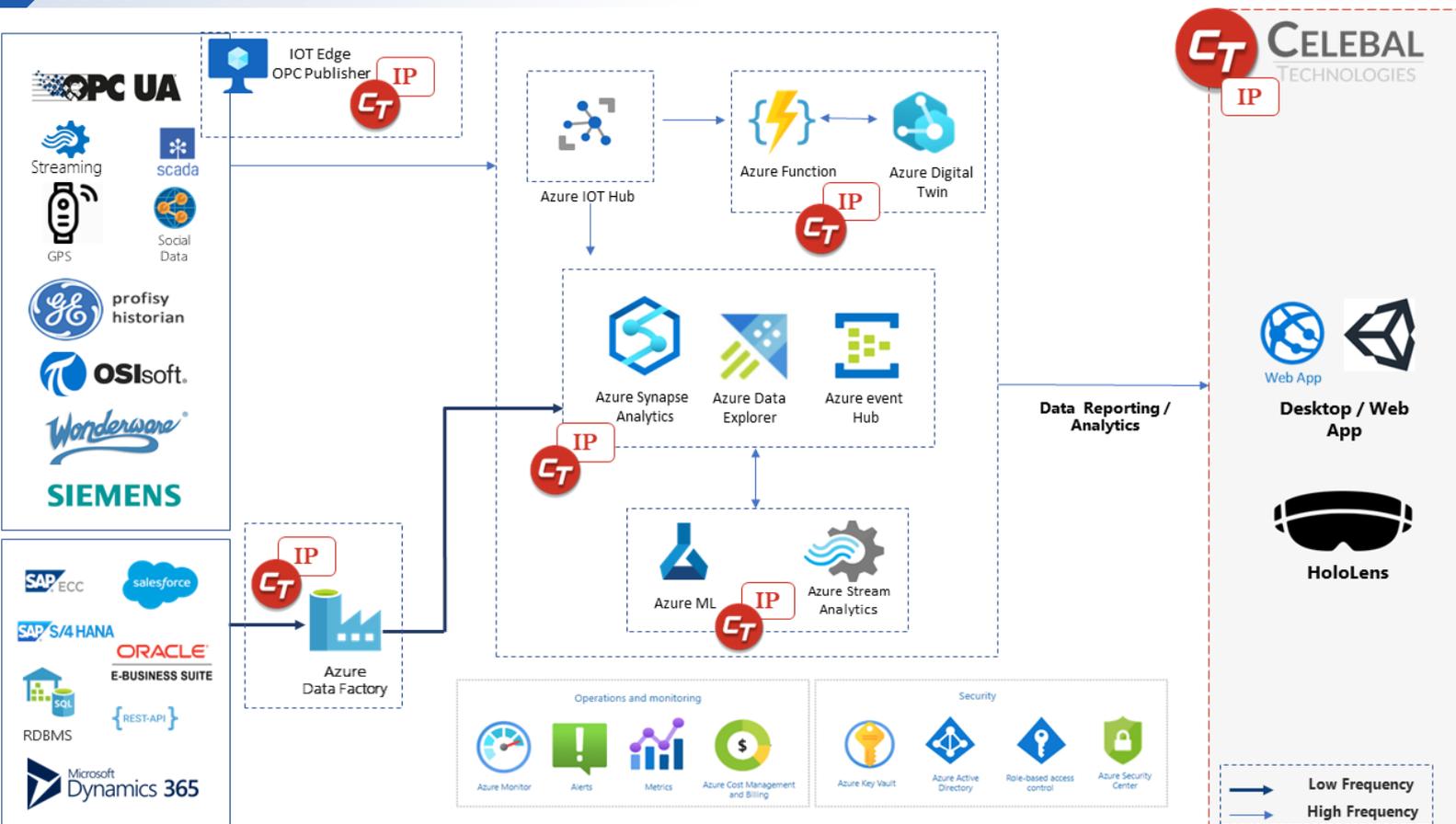


Prepare Your Industry for Tomorrow, Today

- ✓ 65% Enhanced OEE (Overall Equipment Effectiveness)
- ✓ 55% Enhanced Performance
- ✓ 40% Accurate & Quicker Prediction & Forecast
- ✓ 30% Better Real-time Remote Monitoring
- ✓ 10X Increased ROI
- ✓ 70% Reduction in Maintenance Cost



Industrial IIoT Architecture



Technology Used



Traditional Enterprise Meets Modern Cloud Innovation



Advanced Specializations on Azure

Analytics | AI & ML | Kubernetes | Windows Server & SQL Server Migration

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