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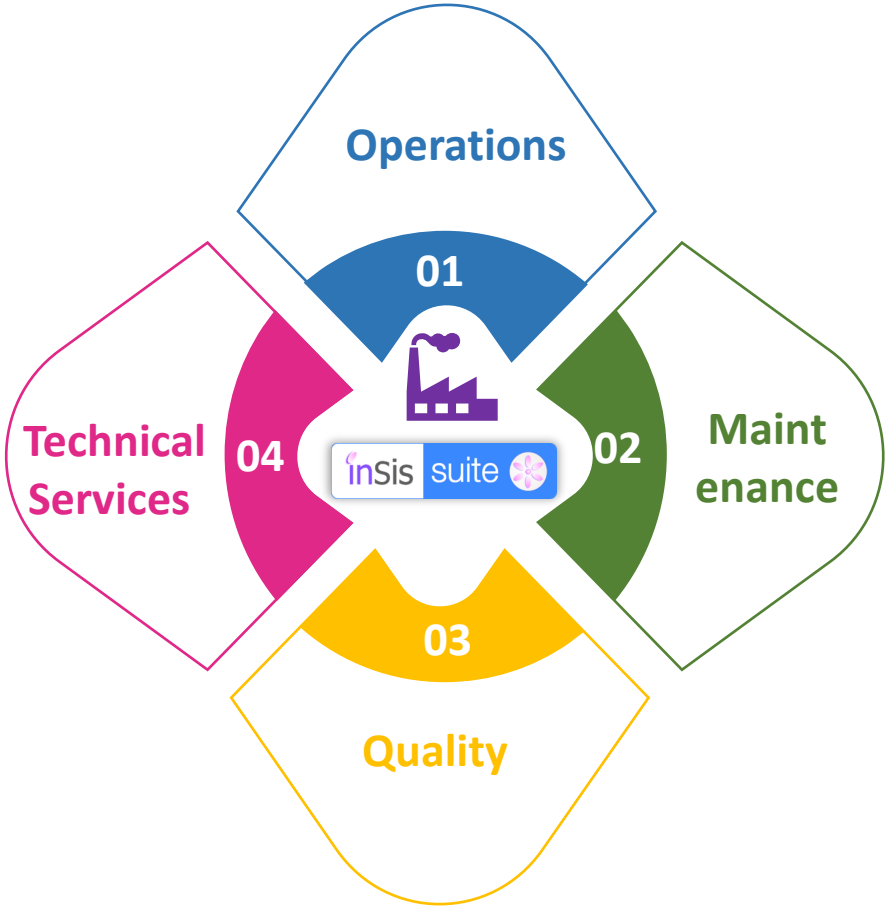
inSis Suite

An Integrated Platform for Digital Transformation

inSis suite

Integrated platform for Digital Transformation

The inSis platform provides an integrated solution to meet various needs across
Operations, **Maintenance**, **Quality** & **Technical Services** in your Digital Transformation Journey



Connected-worker Platform

Digital Operations Logbook

Safety Interlock Bypass Management System

Asset Performance 360

Digital Maintenance Check-Lists

Laboratory Information System

ELN – Electronic Lab Notebook

AMADAS – Analyzer Management

Performance Management System

Data Analytics, Reports & Anomaly Notifications

Native Mobile Apps

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An integrated platform with modular approach for selective deployment

Infoview

Process Data Analytics with trends and calculations

- Web App
- Mobile Apps
  - Android App
  - iOS App
- SmartTrend App
- MS Excel Add-In
- Scheduler

Oneview

Self-service, interactive, role-based **Dashboards**

- Web App
  - Builder
  - Viewer
- Mobile Apps
  - Android App
  - iOS App

PFD

Process Flow Diagram to visualize Processes

- Web App
  - Builder
  - Viewer

ProSense

Asset Management, KPI and Event management

- Web App
- Asset Framework
- KPI Management
- Event Management
- Analyzer Maintenance

Reports

A comprehensive web-based **Reporting Platform**

- Web App
  - Builder
  - Viewer

Logbooks

Digital Logbooks for Operations & Maintenance

- Web App
  - Builder
  - Viewer
- Mobile App
- Operations Logbooks
- Maintenance Logbooks

SolutionSpace

Quality

Safety Interlocks

& Others

Data Historian

inSis Luna Cloud

Administrator Portal | Security | Data Source Integration | IT-OT Connectors | Personal Home | Calculation Engine| High Availability

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inSis Suite – Module Summary

Analytics Web App	Dashboards	SmartTrend	Excel AddIn	Scheduler
Access Analytics from Browsers	Self-service Dashboard Builder & Viewer	Web-based trending tool for multi-parameter trending	Map & update data in to Excel directly	Send scheduled email and SMS to users with data updates

Mobile App	Calculations	Personal Home	Web Graphics	Tag Explorer & Search
Native **Android & iOS** with Native Views Analytics & Dashboards	Ad Hoc Calculations with Built-in Functions & Params	Self-service, Personalised Space for all users	View DCS/SCADA Graphics Anywhere on browser	Comprehensive Tag Search of inSis Tags

Performance KPIs	Alerts & Notifications	IOW	Automated Reports	Asset Framework
Provides a Comprehensive KPI Management	Anomaly Detection & Alerts	Safe Limits Management & Integrity Operating Window	Automatic Delivery of Reports through Email And, Web-based Reports Management	Customisable Asset Framework for managing all assets

Data Historian & Analytics

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inSis Suite – Module Summary

Operator Logs	Ops Instructions	Digital SOPs	Safe Shift Hanover	AI Powered
Digital Operations Logbooks that digitizes the paper-based Logs	Delegate operations team with effective communication	Easy management and access of work procedures	Enforces effective and safe shift handover	Use NLP based Language Models to summarise Operator Comments

Native Mobile App	Maintenance Schedules	Digital Checklists	SAP/ERP Sync	DWM
Native **Android & iOS** for Connected-worker with Offline Support	Time, Condition and Event based PM Schedules	Digital PM, LLF, Inspection Checklists for Frontline Workers	Synchronize with ERP for Inventory and Costs	Daily Works Management Module for works monitoring

Safety Interlocks	Risk Assessment	QR Core/NFC/RFID	Asset Security	CW Analytics
Comprehensive Safety Interlocks Bypass Management	Risk Assessment while Interlocks Bypass & Authorisation Matrix	Support for QR Codes, NFC and RFID based system	Customisable Asset Security with Role-based access	Built-in Reports and Analytics for Connected-worker

Connected-worker Framework

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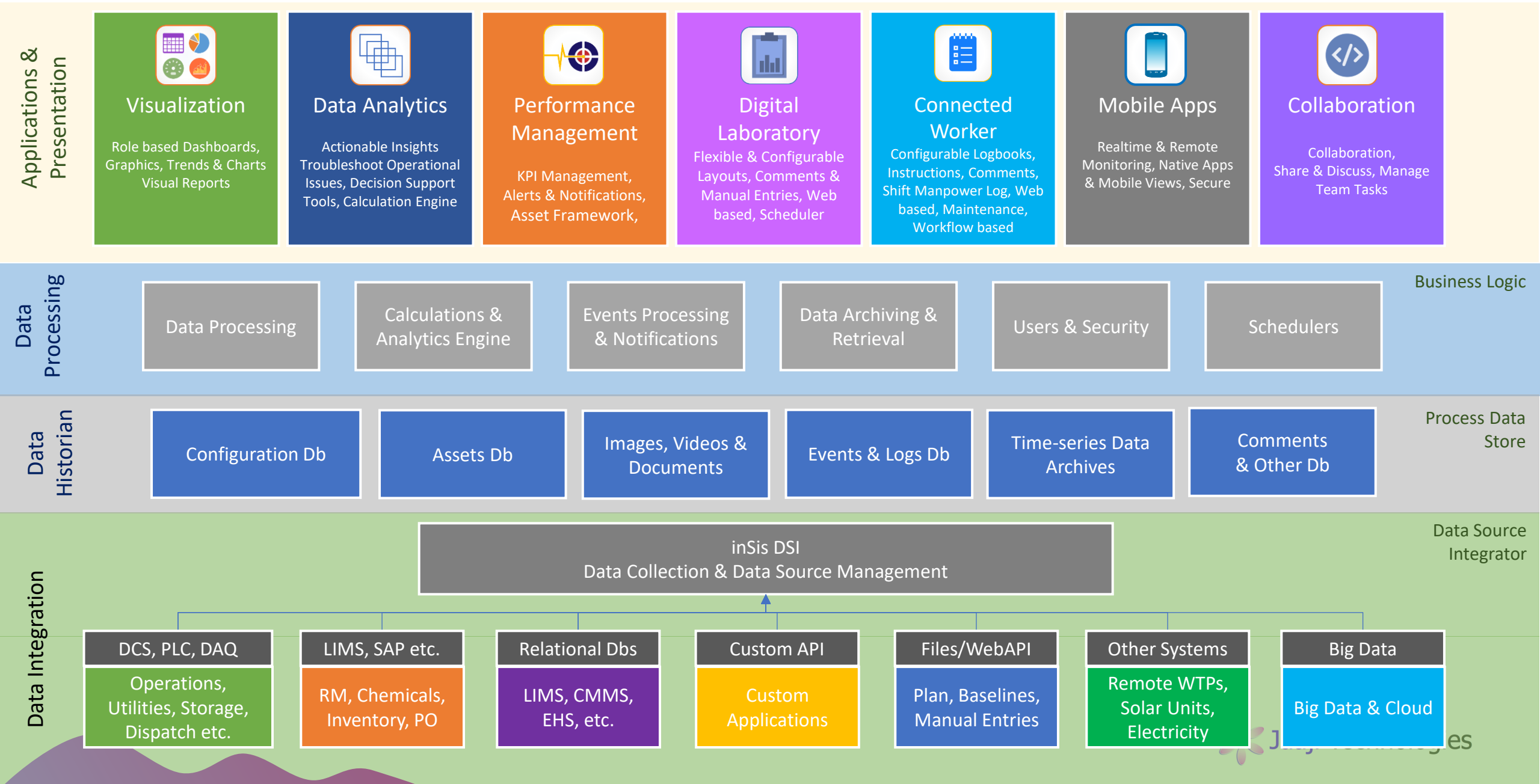
inSis Suite – Module Summary

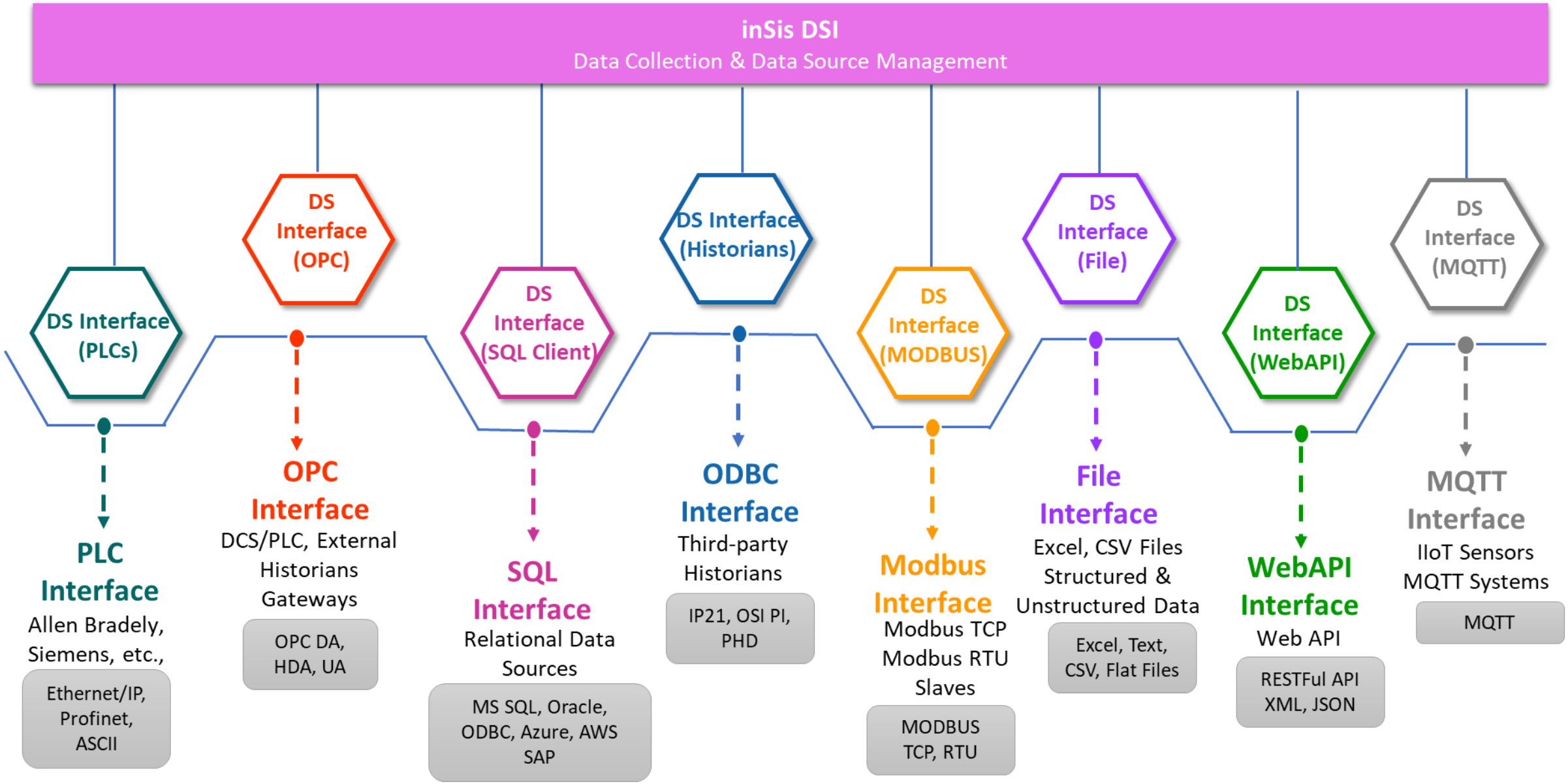
Sample Management	Sample Workflows	Sample Predictions	Lab Reports	Historian Integration
Manage Samples and Schedules	Manage Sample Collection, Analysis, Approval & Reporting	Using AI/ML Models predict the sample results	Built-in Reports for Sample Results and Auto-email delivery	Seamless Integration with Historian to push the Sample Results

Native Mobile App	Test Certificates	AMADAS	ELN	Equipment Integration
Native **Android & iOS** for Sample Collection with Offline Support	Certificate Templates Management and Certificate Generation	Analyser Maintenance & Data Acquisition System	E-Lab Notebook for Digital Laboratory	Integrate with Equipment for Auto-reading of Lab Results

Multi-layer architecture for Robust, Reliable & Responsive Apps



Data Integration Capabilities



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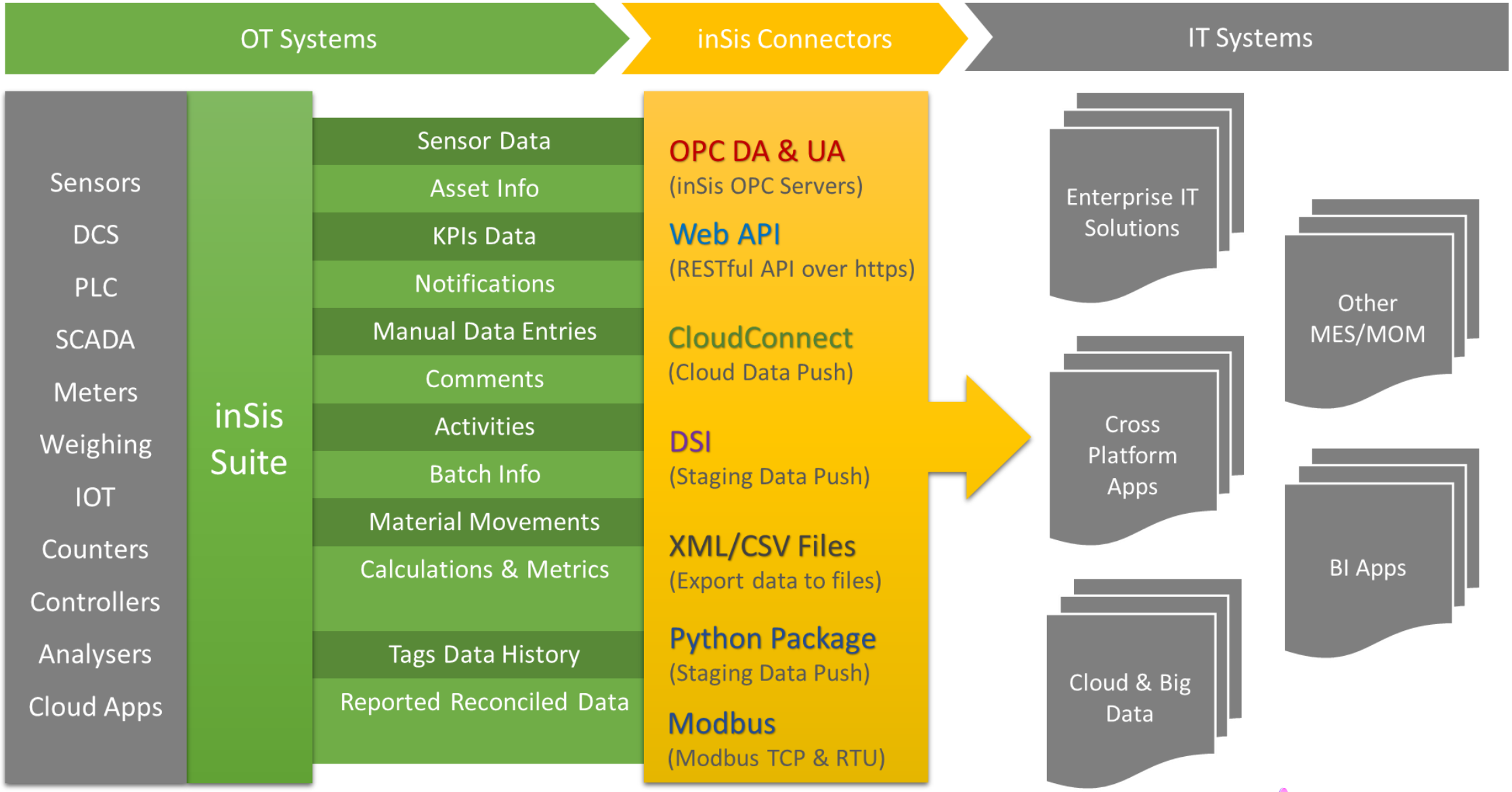
IT-OT Integration Options



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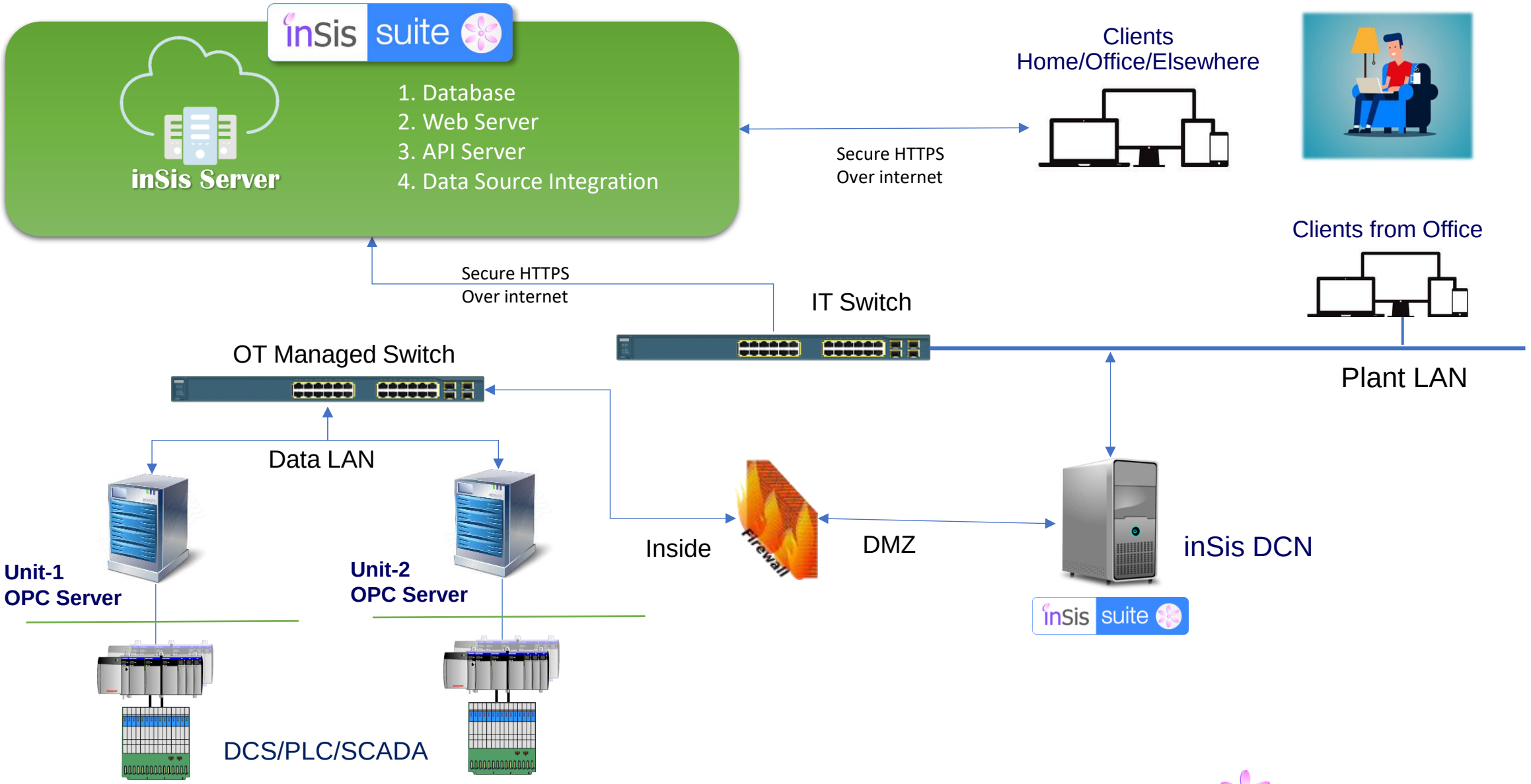
Typical System Architecture



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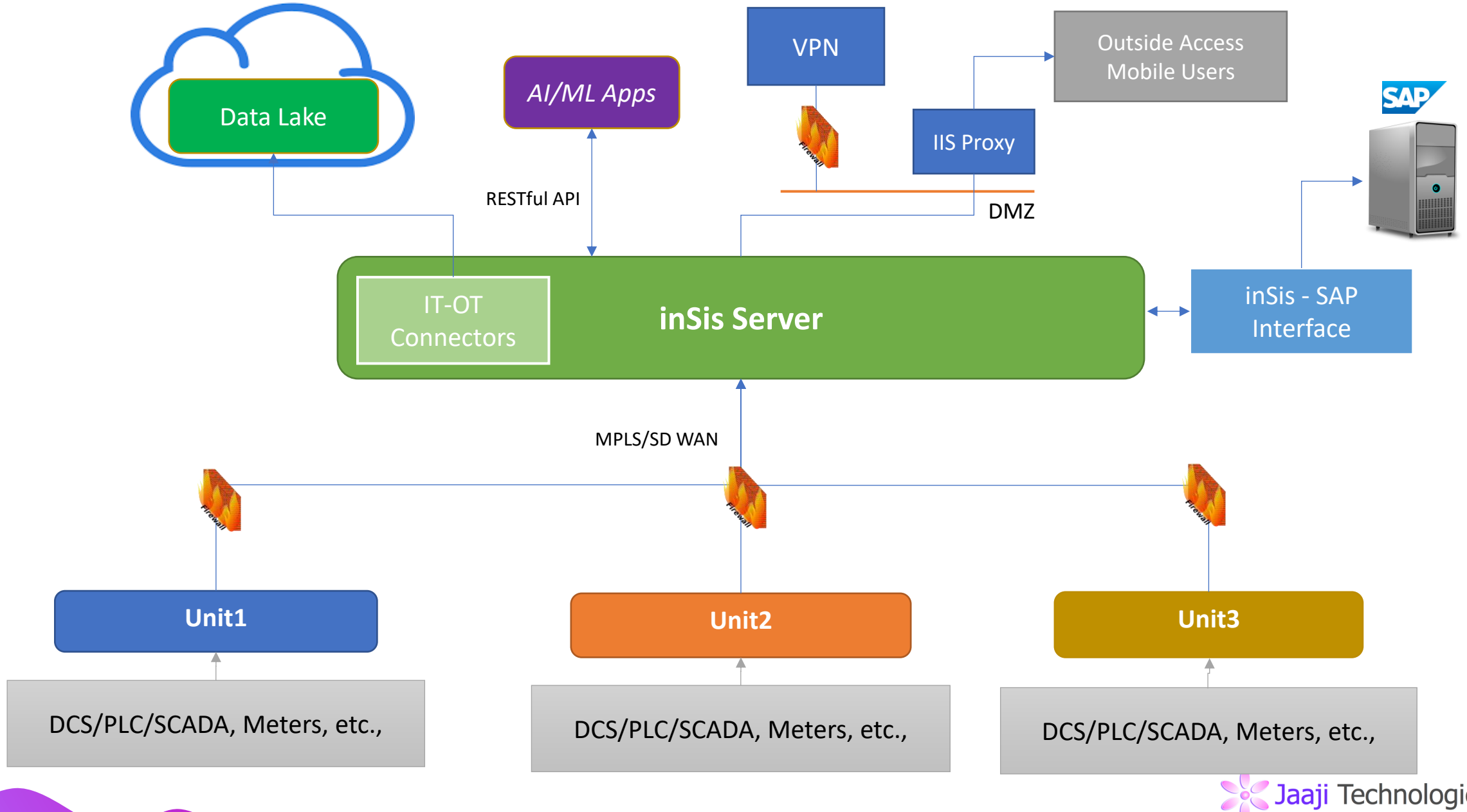
Typical System Architecture – Multi Site



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Hardened for cyber attacks

CYBER SECURITY

- Role-based Access & Privileges
- Login with Captcha & OTP (Email/SMS)
- Multi-factor Authentication and Biometric
- Restrict access from IP addresses
- Data & Credentials Encryption
- End-to-end Transport & Message encryption
- Resilient to various penetration tests
- User Activity & Blocking

Other Security features

- Implemented OWASP Recommendations
- Auto Logout
- AD Integration
- SSO
- Secure HTTP & TLS
- Mobile Access Control
- Support EMX
- Support Private AppStore
- Disable Screen Capture

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Our clients choose us because we mean VALUE

Self-service, Interactive & Role based

- Fully customizable by end users without support from IT

Process Industry centric, Ready to use

- Analytics built for Time-series data
- Advanced Analytics, pre-configured & custom metrics

Built-in Analytics Engine

- Data Processing, mapping & visualization
- Built-in Calculation Engine

Latest, Secure & Robust Technologies

- AD Integration, VAPT Passed, Layered architecture
- Device Portable, cross-platform

Cost Efficient Solutions

- Competitive Setup & running costs
- Packaged with many modules, loaded with features

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Benefit Realization – Quantification to be done every quarter

Time	• Reduced time to consolidate, process and analyse data • Reduced time to make decisions • Reduced time in meetings & reporting • Reduced time to response	# man-months saved
Improved Process	• Better Process stability • Improved product quality • Reduced anomalies	% improved yield Cp, Cpk of process % defects (~10%)
Asset Availability	• Improved maintenance compliance • Improved asset availability and reliability • Better control on consumable usage	% improved availability % improved MTBF (10 to 15%
Energy management	• Better control of Energy consumption • Comparison across plants and loads	Specific Energy consumption (2 to 5%)

Thank You

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