inSis ABT

Challenges in ABT Systems

➢ Unscheduled deviation from the power generation schedule incur considerable penalties (termed UI charges)
➢ Real-time changes in Schedule, Grid frequency, dynamic plant operations need a real-time ABT calculations
➢ Lack of Advanced systems and monitoring systems to closely monitor the ex-bus output of the plant
➢ Unidentified MOD (Merit Order Dispatch)
➢ The ABT Calculations are complex and are to be evaluated quickly every second to provide quick information for operators

How inSis ABT Module help overcome these challenges

➢ inSis ABT perform real-time ABT calcultions and provide dashboards with key guidelines to manage ExBus generation as per DSM regulations
➢ Generates and share automatic detailed ABT Reports by email
➢ Sends notifications and alerts in case of anomalies and penalties for quick response by operations

Benefits

➢ Gain incentives & minimize the penalties under DSM regulations
➢ Provides real-time ABT calculation and dashboard for operations team to take quick actions
➢ Decrease man-hours for Data Collection, ABT Caculations and Reporting by 90%
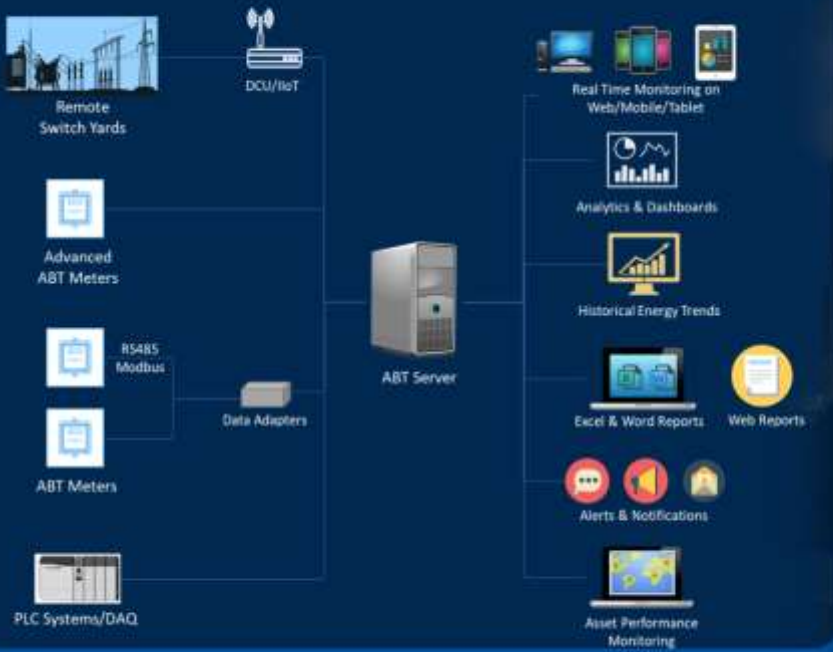➢ Payback period is less than an year.

inSis ABT System Features

✦ inSis ABT is a comprehensive real-time system for implementing DSM guidelines to manage scheduled generation, UI optimization, Reporting, Dashboards, Real-time ABT calculations, mobile access, and notifications etc.
✦ Manage schedules easily with various options like auto update schedule from SLDCs, Excel file upload and manual entry.
✦ Block wise calculations of ABT parameters are provided in real-time Dashboards
✦ Robust Meter Data Acquisition using variety of protocols like Modbus, OPC etc.
✦ Fully self-service and web-based user interface for configuring, monitoring, reporting, analysis that is required for various stake holders.
✦ Notifications on regulatory non-compliance and deviations. Notifications are sent by SMS/Email/Web.
✦ Provides data analytics, trends, visualizations for effective monitoring and troubleshooting and decision making by operations team.
✦ Interfacing with PLC/SCADA/DCS etc. for operations data acquisition systems and provide contextual information
✦ Provides both Web-based Reports and Excel based reports with Auto Scheduler and email delivery. Generates Energy Billing balancing and settlement reports
✦ Provides option to export these reports to PDF and Excel and one click email.
✦ Mobile Access with Android & iOS apps for Real time monitoring of the power dispatch scenario
✦ Online SLDs with real-time power distribution within the plant across sections
✦ Unlimited History and automatic online backup
✦ Performance Monitoring through KPIs Drill-down
✦ Real-time Calculation Engine, Input/Output Data Processing, Aggregates & Metrics Calculations
✦ Simple and quick collaboration and sharing of information across teams
✦ It is an Off-the-Shelf software, i.e., fully customizable with no need for any coding and software modifications. End users can add/modify new meters, calculations, reports, dashboards, alerts etc. without any IT/Coding support

CONTACT US
✿ Jaaji Technologies
Phone: +91 8897698106, Email: sales@jaajitech.com, www.jaajitech.com

ABT System Overview

ABT Calculations

The ABT module of inSis EMS system perform complex calculations related to ABT like block wise aggregates and cumulative values for generations, export, APC, UI, Profit/Loss, Fuel costs, Violations counts, BEF etc.

Automatic Reports

Reports are automatically generated and delivered directly to the designated users by email. Users can also access the reports from portal and generation on-demand. Also, ABT summary information is reported on mobile through SMS.

Real-time Dashboards

inSis ABT Dashboards are web-based, flexible, self-service, and interactive. The drill down functionality help quickly access the critical parameters. These dashboards are used to visualize and analyse the ABT data across the organization and across devices.

Mobile Access

inSis Apps for Android and iOS are available in Google Play & AppStore. Users can download them and connect to their servers to access through secured IP connection to view Real-time Process Data and Analytics on their Mobile Phones.

Robust Data Collection

inSis ABT provide robust data collection with open protocol that support variety of standards like Modbus RTU/TCP, OPC DA/UA/HDA, DNP3, SOAP/WebAPI, ODBC/OLEDB, File/Excel etc. It is based on inSis Data Historian Platform.

Trends & Analytics

inSis ABT provides a Web-based, Intuitive & User-friendly Process Tends and Analytics. The Trend helps in visualizing the real-time and historical process trends of multiple tags. The trend tool features time slider, range analytics, zooming, calculations, data export, trendy themes, plot bands, etc.

Valued by Great Customers