UTL

The Operations Monitoring and Reporting Tool for Process Facilities

Consisting of 7 individual yet integrated modules, the Universal Tag Locator (UTL) is an all-encompassing operations monitoring system with extensive search and reporting features. A single, user-friendly interface offers real-time alarm, instrument, target, lab, and exceedence information drawn from multiple data sources throughout your site. UTL is expandable and customizable to connect with your plant's current process and instrumentation data sources.

Operators and supervisors can create customized End Of Shift Reports (EOSRs) to manage job tasks and improve continuity. Operating targets can be identified and tracked against established benchmarks. Alarms can be monitored to identify at-risk process conditions and calculate plant metrics.

✔ End-Of-Shift Reporting

✔ Operating/Business Planning Targets

✔ Alarm & Event Reporting

✔ Instrumentation Portal

✔ Lab & Handheld Data

✔ Flexible Configurations

FEATURES

PLANT-WIDE DATA IN ONE LOCATION

LAB

PLANT DATA

ALARM & EVENTS

PROCESS HISTORIAN

INTELATRAC

USERS

Integrate Multiple Data Sources

UTL lets you access data from multiple sources through a single user interface including process historians, DCS alarm and event data sources, IntelaTrac devices, alarm management systems, instrumentation systems and lab data.

Business Planning & Communication

UTL makes it easy for you to set business planning targets, alarm goals and operating instructions which can be viewed by anyone and updated as needed.

Easy To Use & Configure

The UTL has a user-friendly web-based interface. With minimal training, all plant users can utilize the full functionality of the UTL. An extensive administrative interface and customizable modules allow the site super user to easily configure the entire system, create EOSR templates and update them as needed.

Installation & Deployment

The UTL runs on any standard web browser with all processing done on the server. No special software is needed on the client machine. The UTL can be used from anywhere on your company's intranet.

The UTL application is hosted on the Microsoft Server platform with the flexibility to conform to your company IT server infrastructure.

END OF SHIFT REPORTS

The *End of Shift Reports* (EOSR) module allows an operator or supervisor to create, edit and publish end of shift reports using site-configured templates. Configuration of each report is easy and includes the ability to incorporate various data types and data from external sources (e.g., targets with current values, alarm data, IntelaTrac) or from other EOSRs (data rollup). EOSRs are managed using your plant's hierarchy so only the operators qualified to work a job can fill out the report for that job. Unlimited report types can be created depending on your site's needs.

TARGET LOCATOR

The *Target Locator* manages your operating/business planning targets and then provides target summaries using your live process data (PHD, PI, ODS, Lab System, etc.) to determine if you are running within your targets. These summary reports for tags, tanks and lab data can then be inserted into any EOSR report. In addition to the Target Manager, the *Target Locator* also has an Operator Instructions module that allows for shift/plant area specific instructions to be passed to the site through the UTL interface, when creating an EOSR or via the *Subscription Engine*.

ALARM MODULE

Unique in the industry, the *UTL Alarm Module* can retrieve raw event data from your site's control system event database, journal collector or DCS log output. The *UTL Alarm Module* processes this alarm data to determine alarm durations, priorities, alarm counts, alarm rates, alarm locations, operator actions and alarm floods. Utilizing a fully customizable set of reporting options, once the data is processed, the *UTL Alarm Module* provides the specified report required by the user. Reporting options include:

- Alarm Graph (Plant Overview)
- Alarm Summaries
- Alarm Chronology
- Alarm Log
- EOSR Alarm Log
- Inhibit / Disable Events
- Operator Actions
- Standing Alarms
- Alarm Rates on Target Reports
- Corporate Alarm Metrics

SUBSCRIPTION ENGINE

The *Subscription Engine* allows users to subscribe to and receive via email any report within the UTL on a desired schedule or any EOSR when it is published. In addition to any user, plant distribution lists can also be set up to subscribe to the reports.

TAG LOCATOR RESULTS

The *Tag Locator Results* module provides a one-stop shop for plant instrumentation information. The *Tag Locator Results* module queries all configured plant instrumentation data sources displaying the relevant information on one screen. This report is useful for finding plant-wide instrumentation information as well as reconciling data from different sources. The *Tag Locator Results* module can be customized to collect live data from your process historians, alarm systems, targeting data, operator actions, IPF systems, document/procedure management systems, instrument indexes, etc.

INTELATRAC REPORTING MODULE

The *IntelaTrac Reporting Module* integrates the UTL with your IntelaTrac system to provide customizable reports for ad-hoc viewing, inclusion in EOSRs and distribution via the *Subscription Engine*. Reporting options include:

- IntelaTrac Exceptions (by Base or Job)
- Rounds Reports
- Incomplete Rounds Reports
- Asset Status Reports
- Out of Service Procedures

ENHANCED ALARM MANAGER / LAB SEARCH

The *Enhanced Alarm Manager* module integrates your alarm management system with the UTL to expand the search capabilities and allows for the display of alarm configuration information and operator alarm responses directly on the *ag Locator Results* screen.

The *Lab Search* allows you to link lab data to the UTL - either by querying your lab data directly and displaying the sample results in the UTL or linking to your existing system providing a mechanism for users to access lab data easily and quickly.

AIS develops customizable software solutions for the oil refining and chemical processing industries to improve plant performance, operational efficiency, environmental protection and plant safety. Our focus is to develop high quality applications that adapt to your changing business objectives and to the compliance requirements of regulators.