A close-up photograph of industrial machinery, likely a CNC machine, with bright sparks flying from a cutting or grinding point. The scene is dark, highlighting the metallic surfaces and the intense light of the sparks.

Automation

Combining the power of Industrial Automation and Information Technology, Automation Excellence provides a unique combination of Solutions for Manufacturing Industry

Industrial automation is generating explosive growth with technologies reducing the complexity of operation of equipments or processes. It has allowed companies to mass produce products at tremendous speed and with great repeatability and quality. With the rapid advancement of technology in industrial automation, the integration between devices on the plant floor and the rest of the enterprise requires a smart device for efficient data collection, secure network infrastructure and the ability to turn data into specific, consistent and credible information.

We at Elitia are dedicated to develop, build and maintain optimum quality industrial control automation systems that can help accomplish your company's production goals.

How our Industrial Automation Services can benefit you?

- ✓ Reduces Periodic/ Manual checking
- ✓ Increases the Productivity
- ✓ Reduces the Production Cost
- ✓ Improves Product Quality
- ✓ Increases the Flexibility
- ✓ Improves control system integrity and security
- ✓ Isolates hazardous areas and install effective machine guarding & controls
- ✓ Enhances operator awareness and reaction
- ✓ Reduces production time

Our Expertise

OEE Downtime module

With overall equipment effectiveness (OEE) downtime module , increase the asset utilization and reduce operation cost with real - time efficiency tracing . The dashboard empowers manufacturers to identify, analyze and resolve the issues that affects the operating efficiency and causes downtime.

Features

- ✓ Real-Time Efficiency Tracking
- ✓ Downtime Data Collection
- ✓ Executive Dashboards
- ✓ Easy ERP Integration
- ✓ Mobile MES Access
- ✓ Production Scheduling
- ✓ Fast, Customizable Implementation
- ✓ Automatic Data Collection

Supported Operating Systems

Windows Server 2003/2008
Windows XP, Vista, 7
Ubuntu Linux 8.04 or later
Other Java SE 6+ enabled OSes*

Requirements

Ignition Core Modules
Java SE 6+ (server)
Java SE 6+ (client)
1024 MB RAM
1GB free HD space
(requirements vary by usage)

Supported Databases

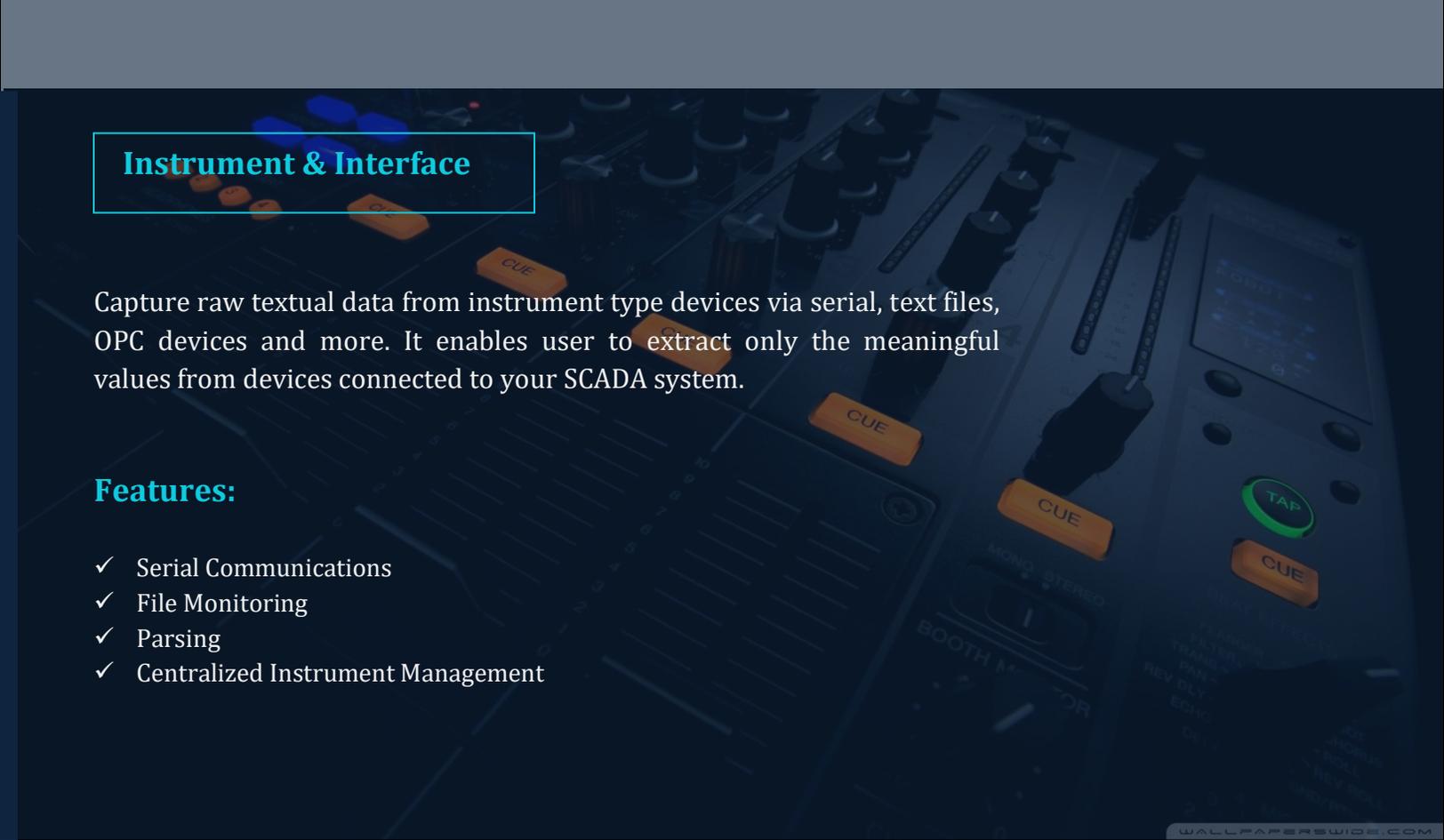
Microsoft® SQL Server
MySQL
Oracle

SPC Module

Delivering Statistical process control (SPC) data in real-time in a detailed format has just become easier. The SPC Module helps to reduce late or missing sample collection, inaccurate sample data.

Features

- ✓ Manual sample collections
- ✓ Automatic sample collections
- ✓ Scheduling samples based on real-time production conditions
- ✓ Alerting of samples coming due, due or overdue
- ✓ Automatic evaluation of control limits and out of control signals without human intervention
- ✓ Alerting of out of control conditions
- ✓ Customizable screens



Instrument & Interface

Capture raw textual data from instrument type devices via serial, text files, OPC devices and more. It enables user to extract only the meaningful values from devices connected to your SCADA system.

Features:

- ✓ Serial Communications
- ✓ File Monitoring
- ✓ Parsing
- ✓ Centralized Instrument Management

Recipe/changeover module

Recipe/ changeover module helps prolong the time between required maintenance activities by preventing faults, increasing throughput and yield , leading to improved efficiency and quality. Expertly build, manage and monitor recipes with the Recipe / Changeover Module.

Advantages

- ✓ Powerful master recipe and sub-recipe management
- ✓ quickly and accurately changing machine, process or system recipes.
- ✓ recipe security
- ✓ change log tracking
- ✓ variance tracking