niSoft™

eLOTO Digital Lockout-Tagout

Stay Safe - Save Time - Support Compliance

A highly configurable system adaptable to customer operational requirements.

EAM / CMMS Integration

Desktop & Mobile App

Managing the safe isolation of equipment is one of the most critical, regulated and time-consuming process in operations. To ensure workers' safety prior to performing any work, hazardous energy sources need to be isolated. The lockout-tagout (LOTO) process affects not only the safety of the workers but also the performance of the plant.

With production teams striving toward operational excellence, the adoption of digital lockout-tagout is becoming an integral part of the operational landscape. Many systems claim to manage the processes and steps of lockout-tagout but few have the flexibility to adapt to the environment or rules of individual sites or industry.

eLOTO, the NiSoft Digital Lockout-Tagout module, is an integral part of the Eclipse Operations Management suite that automates the full life cycle of the Lockout-Tagout process based on customers' rules and regulations, from preparation, approval and isolation to removal and full equipment restoration.

eLOTO, the fully integrated module, acts as a shared tool between operations, planners and maintenance personnel to track, manage, execute and communicate lockout-tagout activities.

- ✓ **Flexible support of site-specific LOTO procedures minimizes the need to change**

- ✓ **Share and report using digital LOTO records**

- ✓ **Use stand-alone or as a key component of NiSoft's Operations Management Suite**

- ✓ **Maximize productivity with mobile features**

- ✓ **Use of approved standards drives consistency, compliance and reduces errors**

- ✓ **Thousands use Eclipse at hundreds of sites worldwide**

(e*LOTO*
Digital Lockout-Tagout

- Enhance efficiency by providing a digital, easy to use, flexible LOTO management solution

- Improve safety by alerting personnel of potential improper manipulation of equipment during isolation

- Improve safety by not allowing LOTO to be restored unless all personnel has been notified or are signed off the LOTO

- Enhance productivity by providing real time status of the LOTO activities being performed

- Enhance efficiency by providing a standard, consistent approach to LOTO process throughout the entire organization

- Support compliance by allowing easy and regular auditing of the LOTO process

- Reduce miscommunications by providing a centralized system for all LOTO activities

- Reduce errors by using mobile technology including Barcode to perform isolation verifications

- Improve productivity by providing a means to prepare, verify and approve LOTO in advance of outage/turnaround

NiSoft (e*LOTO* core functionality includes:

Configuration and Setup of the LOTO by defining -
- LOTO types such as electrical or mechanical
- Point of work and point of isolations
- Information to track
- Method of isolations such as tags, locks, lock box, lock set, blinds, and spades
- The full life cycle workflow of the LOTO process
- Position and/or tag conflict checks
- Equipment available position per equipment type
- Standard Isolation Libraries
- "Authorized" as well as "Affected" employees

Management of the LOTO by -
- Preparing, reviewing and approving LOTO placement
- Preparing, reviewing and approving LOTO restoration
- Assigning work orders (many work orders to many LOTOs)
- Performing conflict checks
- Printing forms and tags
- Allocating locks and lock boxes
- Performing cross-locking and cascading
- Performing and recording isolation placement verifications
- Performing and recording isolation restoration verifications
- Using barcode/RFID technology for equipment identification
- Linking documents (procedures, dependant LOTOS, permit to work, and other documents)
- Allowing only qualified personnel to perform specific functions
- Managing functional tests during maintenance work
- Controlling the expansion or retraction of a LOTO boundary
- Filtering and/or searching LOTO based on several criteria such as area, system, type, and status.
- Signing on and signing off LOTO
- Signing on and Signing off Work orders associated with LOTO

Integration with internal and external systems including -
- Eclipse Suite of Modules
  - eRISK, ePTW, eLOG, eDPT, eR&I, ePROC and eWP
- Enterprise Asset Management/Work Management
- Asset Reliability/System Health
- Training/Qualification Management Systems
- Document/Drawing Management System
- Data Historian
- Method Statement
- Safety Data Sheets

To arrange a demonstration: email **info@nisoft.com** or visit us at **NiSoft.com**.

nisoft™

(eclipse*SUITE*

An Expanding Suite of Tailored Operations Management Software
Supporting Operational Excellence

Offices in UK, USA, Singapore and Australia.

(e*PROC*
Procedures

(e*WP*
Work Package

(e*R&I*
Rounds & Inspections

(e*LOTO*
Lockout-Tagout

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(e*RISK*
Risk Assessment

(e*LOG*
Logbook

(e*PTW*
Permit-to-Work

(e*DPT*
Document Process Tracking