



informatique pour l'industrie

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SIL Technical training

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SIL Data Analysis

Dedicated to: Plant Managers and Quality Managers

Goal: allow you to make use of SIL data with maximum efficiency

Duration: 1 day

You will learn to:

- make data research further to a Customer request
- make an analysis of the level of Quality
- know which report can be chosen

Content:

- Architecture : Remind on SIL architecture and on the origin of data
- SILWeb : access to SILC, daily reports, how to get downloads
- Supervision : prerequisites : Operator training
- SILReport : display and interpret data, SILC reports and SILQual controls
- SPC function in SILQual : prerequisites : notions in statistics
- Practical



SILC How to

Dedicated to: Maintenance, SIL manager, IT

Goal: know the new equipment and functions used in SIL architecture in order to help to diagnosis

Duration: 1 day (first level) or 2 days (first and second level)

First level

Content:

- Configuration : How to configure VXL and moxas, backup, restoration
- Virtualization (VMware) : access to virtual machines, how to reboot VM
- Analysis : 5 min counters analysis, counting areas, maintenance menu
- Data Interpretation : alarm thresholds, systematic rejections, evolution of a defect in a cavity
- Analysis of maintenance menu on supervision view
- Consequences of SILC / SILQual link
- Passage to SILC redundancy
- SILAcq : diagnosis and procedure of hard disk change
- Arcnet connection: assistance to net diagnosis (Check network on Qualitrac)
- SILGate : procedure of hard disk change, replacement for a spare
- Practical

Second level

Content:

- Architecture of the system
- Maintenance: Windows servers, copies, diagnosis,...
- Checking of scheduled tasks
- Data base purge
- Wiring and test of measurement devices
- Influence of antivirus on SIL
- Practical



SILC HE

Dedicated to: IS machine manager

Goal: use main SILC functions

Duration: 1 day

Content:

- Architecture : reminder
- Production change, consequences on CE and pallets
- Mould changes and management of rotations
- Weight recording
- Notepad
- Analysis of data from the laboratory
- Hot end losses recording
- Recording of manual control results
- Management of mould series and help to swabbing
- Summary screen
- Practical



SILC CE

Dedicated to: Shop manager, Shift manager

Goal: use main SILC functions

Duration: 1 day

Content:

- Architecture : reminder
- Systematic rejections, selective rejections (multi MNR, non read)
- Notepad
- Configuration (MNR, thresholds defects ...)
- Alarm threshold set per area and per defect
- Analysis of losses along the line (5 min counters and counting areas)
- Analysis of data per cavity (IS machine view)
- Electronic lehr sheet
- Pallet Blocked
- Practical



SILC Pallet Audit

Dedicated to: Production manager, Pallet Audit manager

Goal: understand all steps of pallet management

Duration: 4 hours

Content:

- Palletizers : start production, choose a finished product
- Declare a pallet
- Lot management
- Accept or block a pallet
- External systems (SAP, sticker system, palletizers ...)
- Perform a setout
- Practical



SILQual How to

Dedicated to: Quality manager, lab

Goal: know communication with devices to work efficiently with SILQual

Duration: 1hour/device

Content:

- Architecture of the system
- RS232 Communication: cable and test of measurement device
- Utilisation of a HyperTerminal for diagnosis
- Replacement of a device, declaration of a new device
- Communication with scales, RPT, Magnamike, Prolaser, Perfilab, Minilab, SPT, Mitutoyo ...
- Practical



SILQual Manager

Dedicated to: new Quality manager, Assistant to Quality Manager

Goal: allow the Quality Manager to master configuration and management of SILQual, allow creating a control range for a new article.

Duration: 3 days

Content:

- Definition of terms used in SILQUAL
- SILQual organization
- Management of control device : creation, modification, location, calibration
- Definition and modification of different control types made in the lab
- Management of :
 - customers and associated contacts
 - articles and control plans
 - finished products
 - productions: on standby, in progress, finished, archived
 - article follow up and customer complaints
- Filing of control range of a finished production
- Display of controls made by controllers and export to Excel
- Display and management of out of limit data
- Control cards set up
- Quality documentation : Customer Certificates , Quality follow up (SPC and non SPC)
- Practical



SILQual Controller

Dedicated to: Operators performing controls, Shift managers, operators

Goal: allow people in the lab to input the controls in SILQual, to manage retests and quality procedures associated to a control.

Duration: 4 hours

Content:

- Perform a control with SILQual
- Perform retests
- Change work weight
- Late controls : principle and calculation
- Display of set outs
- Printing of Certificate of conformity
- Practical



SILQual Controller – special machines

Dedicated to: Operators, Shift managers

Goal: allow people in the lab to input the controls in SILQual for SPT, Prolaser, Prolaser+, Isis, Minilab, DSG, VBG, CDG...

Duration: 1 hour/device

Content:

- Make a set out
- Analyze data
- Set up reaction standards
- Practical



Pallet Audit Manager

Dedicated to: Quality manager, Pallet Audit Manager

Goal: master the configuration of Pallet Audit software, understand relations between lots, set outs and pallets, manage finish products and lots, analyze production data.

Duration: 2 hours

Content:

- Management of Pallet Audit operators
- Lot management
- Pallet management
- Set out management
- Display of pallet production data
- External systems (SAP, sticker system, palletizers ...)
- Practical



SILMaint

Dedicated to: Maintenance Department

Goal: allow people working on maintenance to manage maintenance operations on the SIL.

Duration: 1/2 day (first level) or 1 day (first and second level)

★ First level : Maintenance use

4 hours

Content:

- Record a maintenance operation
- Use of "how to" (FAQ)
- Record of maintenance tasks
- Practical

★★ Second level : Maintenance management

4 hours

Content:

- Create "how to" from the record of maintenance operations
- Create preventive sessions and validate "how to"
- Create revision sessions and validate maintenance tasks
- Practical



SILdb

Dedicated to: engineers, technicians with good IT knowledge

Goal: Allow the trainees to understand the principles of connexion and the data organization of SILdb in order to edit their own reports or make data mining writing their own SQL requests.

Duration: 5 days

Content:

- Presentation of the database management system (Oracle or MySQL)
- Presentation of SILdb database
- Presentation of connexion to SILdb
- Presentation of SILdb tables
- Exercises to answer specific requests
- Option : copies (schedules task and manual task) and restoration principle
- Practical