NS-SMS

Shift Management System

a powerful tool that collects and analyses events from your manufacturing shopfloor

Nick's Software

SMS

NS-SMS Design

- *NS-SMS* was built using modern development technologies HTML5, PHP, Java and MySQL to name a few
- *NS-SMS* is delivered as a browser based application and it doesn't require any software installation for the end user
- *NS-SMS* has been developed using responsive design, meaning it fits perfectly on any screen size of any device – mobile, tablet or desktop

NS-SMS Features

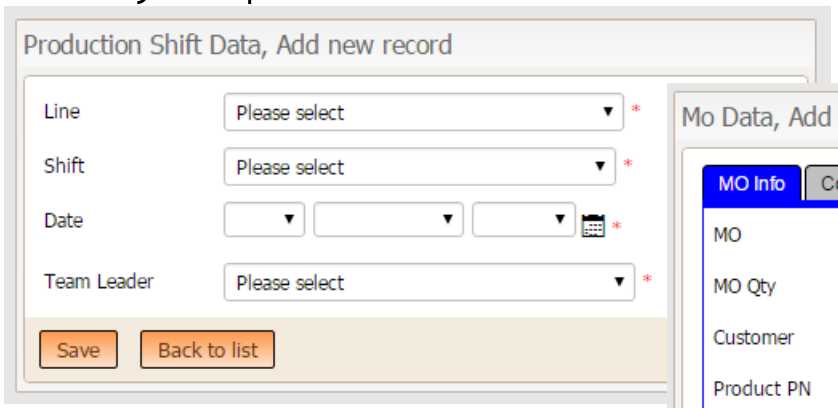
- MO (Manufacturing Order) Data Register
  - MO Number, Quantity, Customer, Product PN, Product Name
  - Output for each shift on each workstation
  - Quality Issues recorded for each serial number
  - Operators assigned to the MO on each workstation
- Downtime Records
  - For each production line, organized by category:
    - Breakdown
    - Change Over
    - Debug
    - Engineering
    - IT Systems
    - Materials Packaging
    - Materials Shortages
    - No Headcount
    - No planned production
    - Preventive Maintenance
    - Quality Issues
    - Start Up
    - Training
  - Machine Tag, Start Time, Duration, Issue Description, MO, Reported by, Pictures

NS-SMS Features

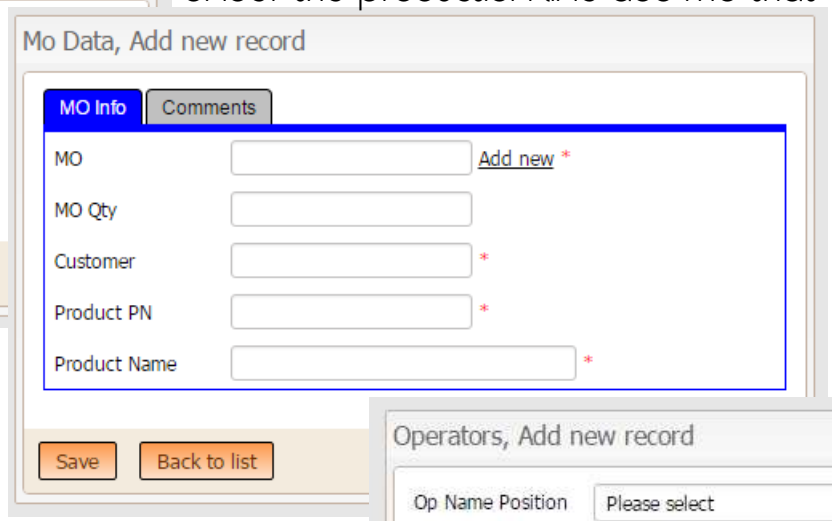
- Reporting
  - Powerful reports, charts and dashboards create an 360 degree view, in order to take quick and best informed decisions
- Administration and Set Up
  - Powerful and customisable browser based admin features
  - Anything you need is easily accessible and easily done
- Security
  - Multiple user levels – easy to update and reconfigure based on your needs
  - Configure user rights for each table/form/feature
  - Use Active Directory and Windows credentials to login

Shift Management made easy

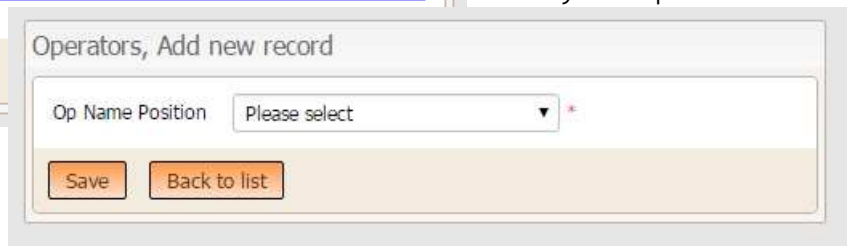
Add your production line



Under the production line add MO that you are working on



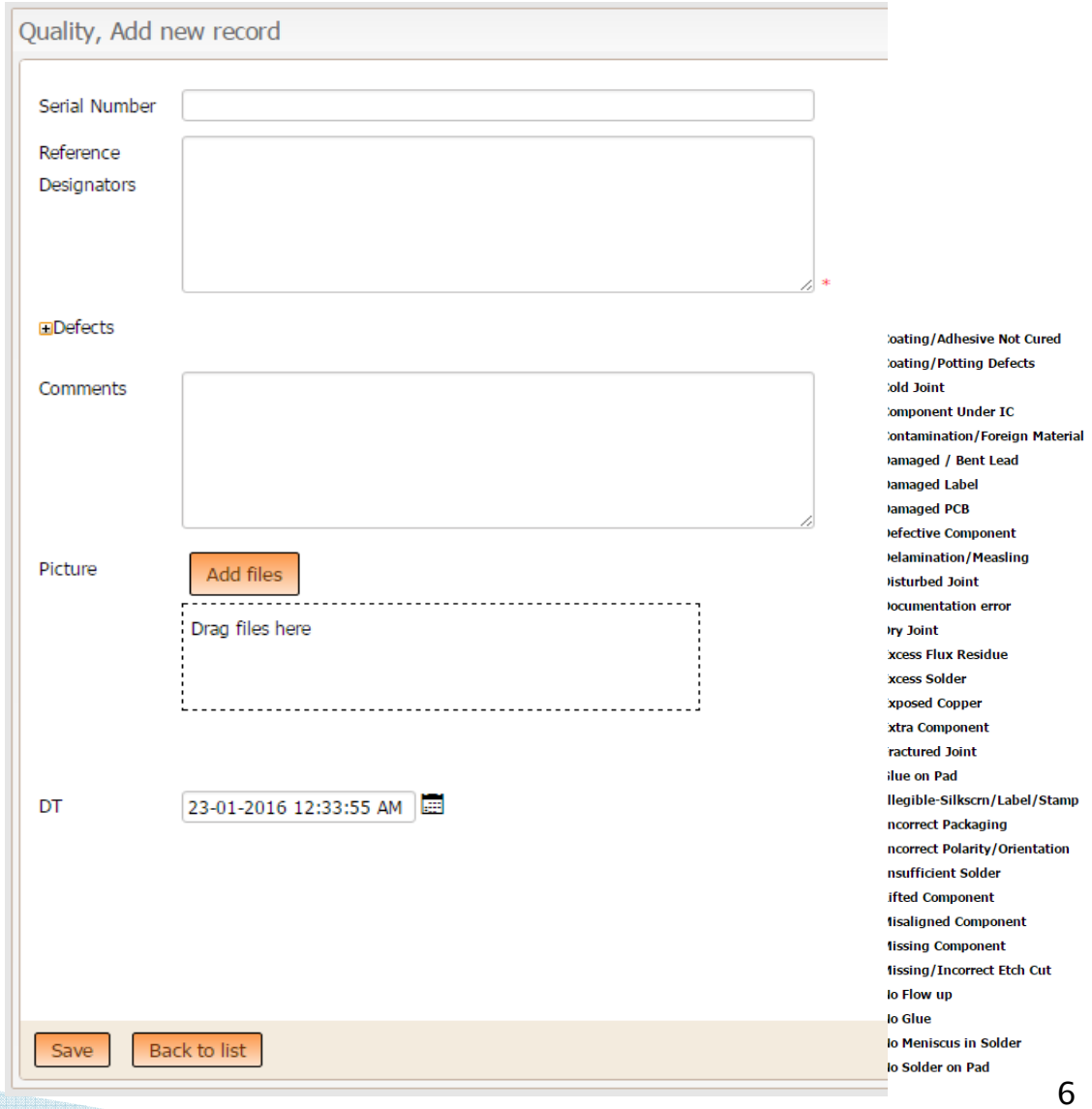
Add your operators



Now you are ready to add quality issues and downtimes.

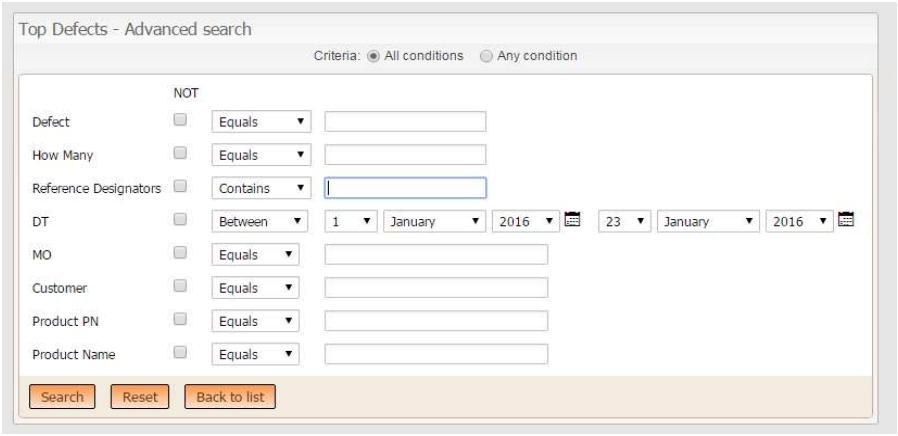
Quality Issues records

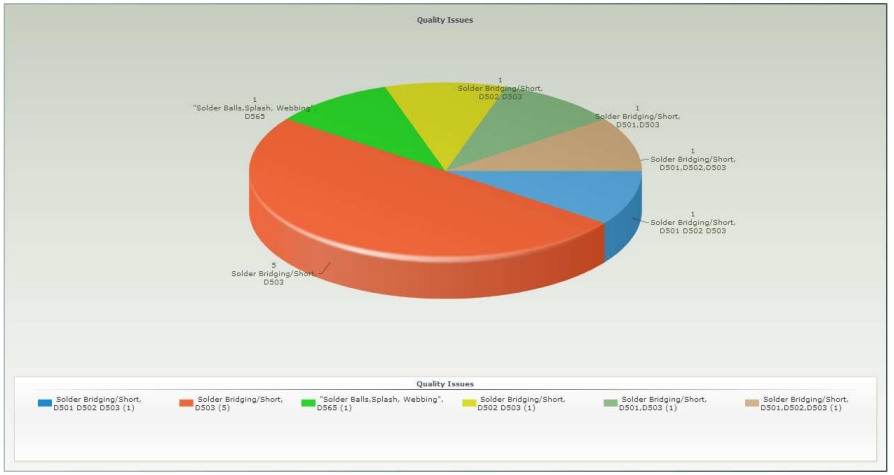
- Record quality defects in great details
- Use standard defect list
- Upload pictures by drag and drop to add further evidences for defects found
- All recorded data are searchable and will be available in Top Defects and Yield – Reports, Charts and Dashboards



Quality Issues Reports, Charts and Dashboards

- Comprehensive search available
- 3D pie charts tell you the whole story
- Detailed report highlights specific of each quality issue data entry



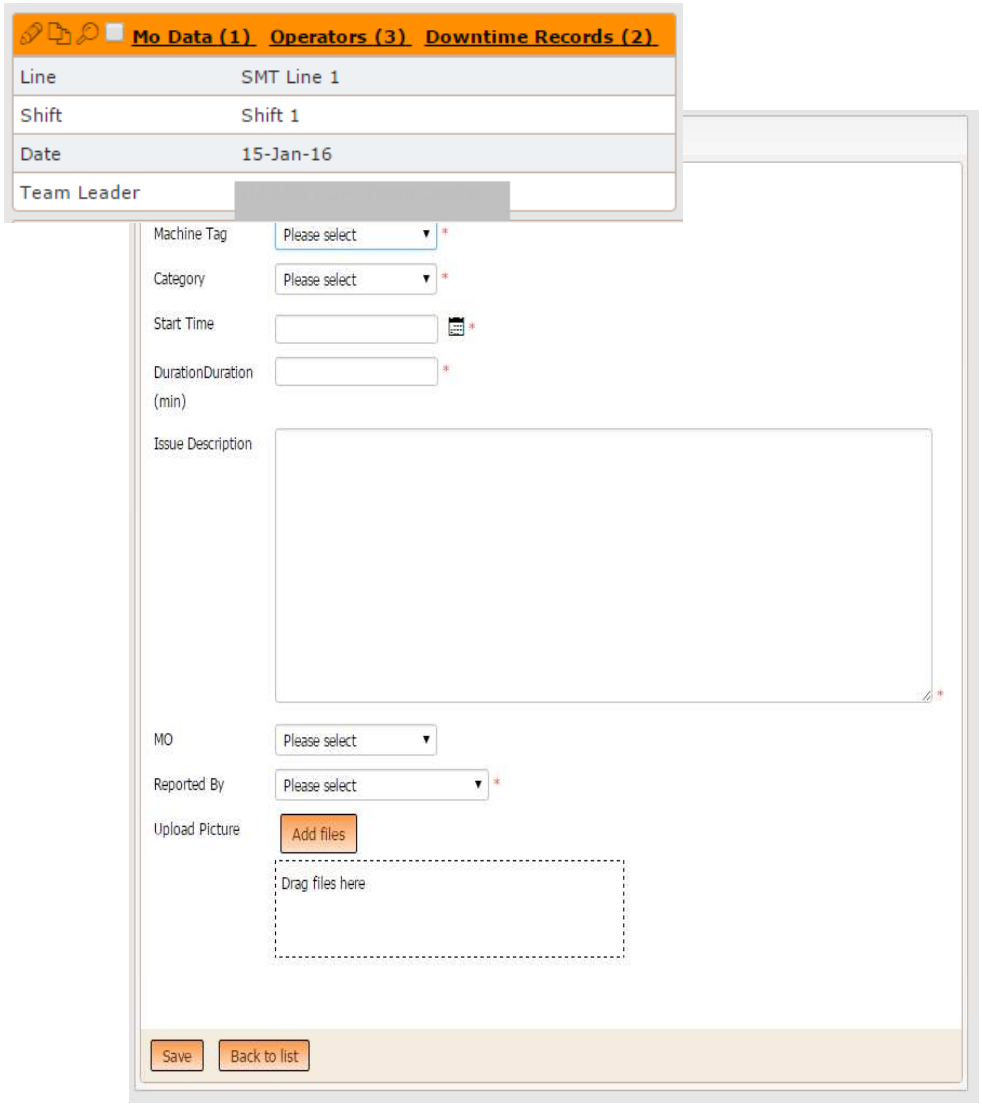


Product PN:
Product Name:
Customer:
MO:
MO Qty:
Note:

Shift	Line	Team Leader	Serial Number	Defect	Reference Designators	Comments	
Shift 1	SMT Line 1			Solder Bridging/Short	D501 D502 D503		
Shift 1	SMT Line 1			Solder Bridging/Short	D503		
Shift 1	SMT Line 1			"Solder Balls,Splash, Webbing"	D565		
Shift 1	SMT Line 1			Incorrect Polarity/Orientation	X1		
Shift 1	SMT Line 1			Incorrect Polarity/Orientation	X1		
Shift 1	SMT Line 1			Solder Bridging/Short	D502 D503		
Shift 1	SMT Line 1			Solder Bridging/Short	D503		
Shift 1	SMT Line 1			Incorrect Polarity/Orientation	X2		20-Jan-16
Shift 2	SMT Line 1			Solder Bridging/Short	D501,D503		20-Jan-16
Shift 2	SMT Line 1			Solder Bridging/Short	C503		20-Jan-16
Shift 2	SMT Line 1			Solder Bridging/Short	C503		20-Jan-16
Shift 2	SMT Line 1			Solder Bridging/Short	D501,D502,D503		20-Jan-16

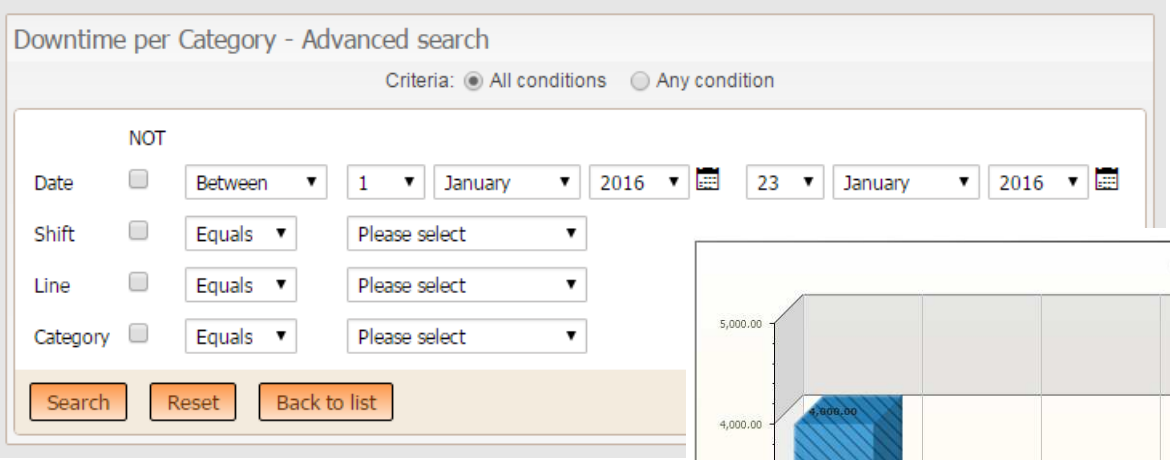
Production Downtime

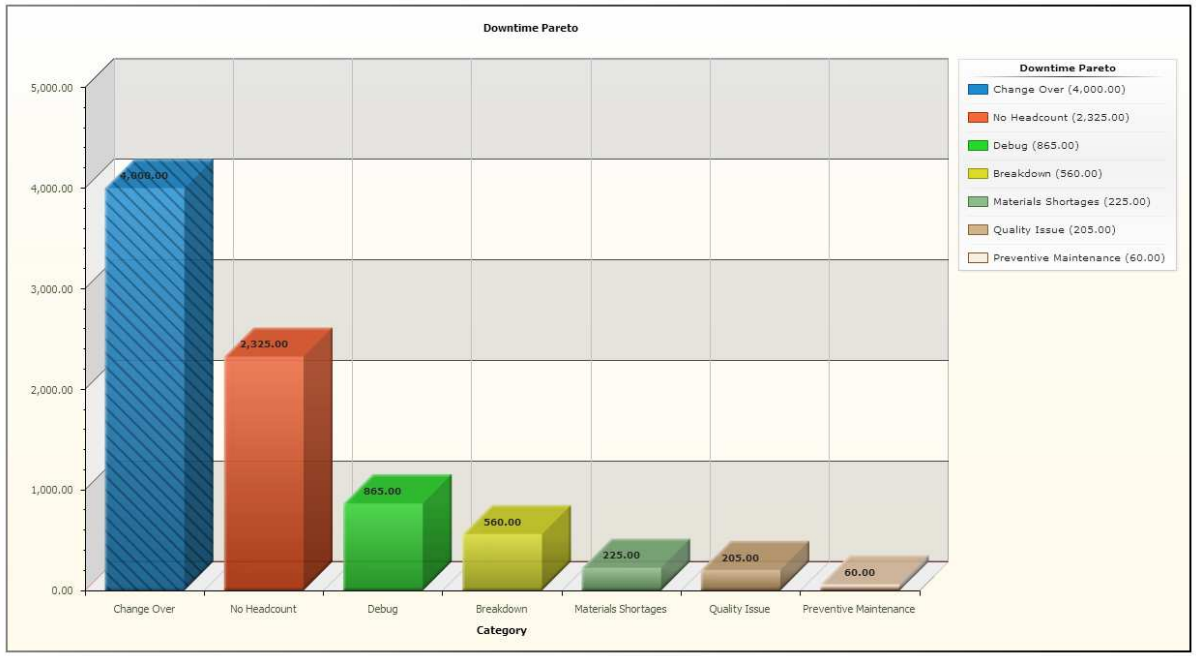
- All that you need to know to prevent future downtime is recorded here
- Downtimes are linked to a manufacturing line and to the MO if are occurring during manufacturing of a particular MO
- Can be linked with CMMS, if you use one
- Highly configurable and customisable entry page
- Main pre-defined downtime categories are:
  - Breakdown
  - Change Over
  - Debug
  - Engineering
  - IT Systems
  - Materials Packaging
  - Materials Shortages
  - No Headcount
  - No planned production
  - Preventive Maintenance
  - Quality Issues
  - Start Up
  - Training



Production Downtime Analysis

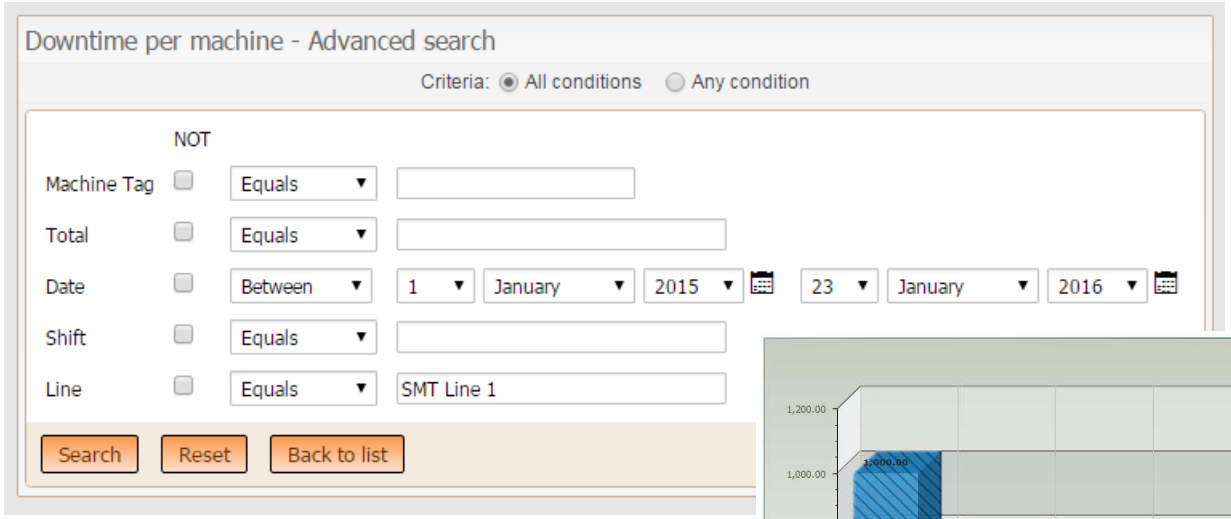
Powerful **reports** and **charts** quickly generate a **360 degrees** view of your manufacturing lines. Colourful **Pareto, Pie and Bubble charts** and **dashboards** pinpoint the most important issues to tackle. Suddenly you see the whole '*hidden factory*'.

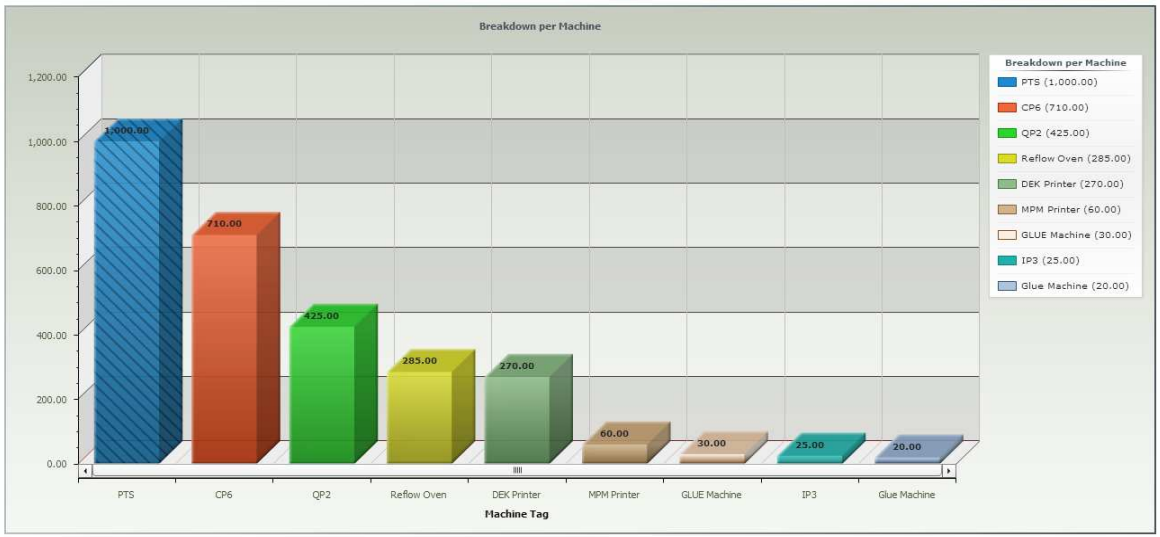




Production Downtime Analysis

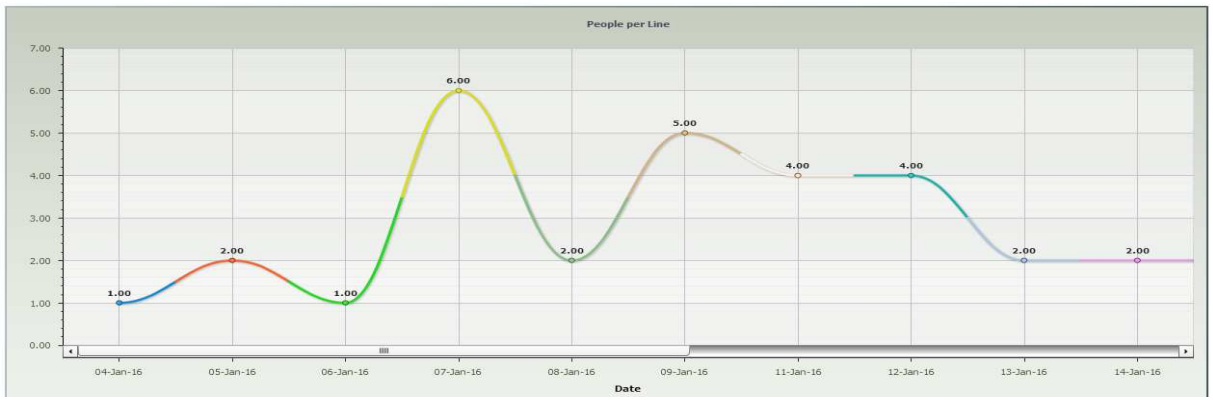
- Divulge most problematic machines and processes
- Tighten your preventive maintenance activities based on these findings





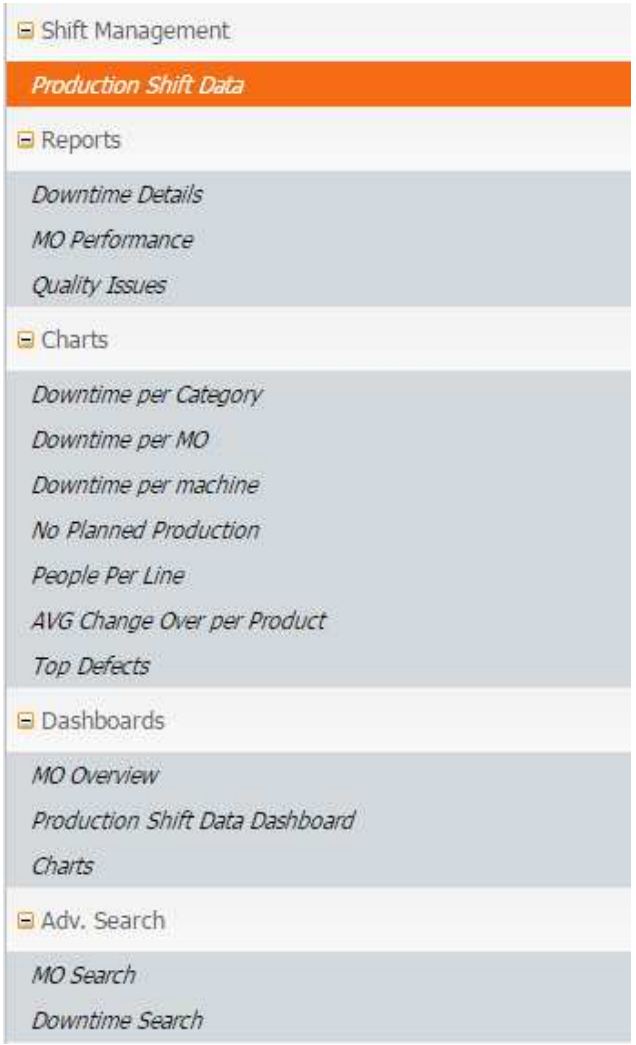
Production Downtime Analysis

- See in a split second products that have very long change over times
- Target your efforts to correct the big offenders
- Correlate change over time with available manpower resources



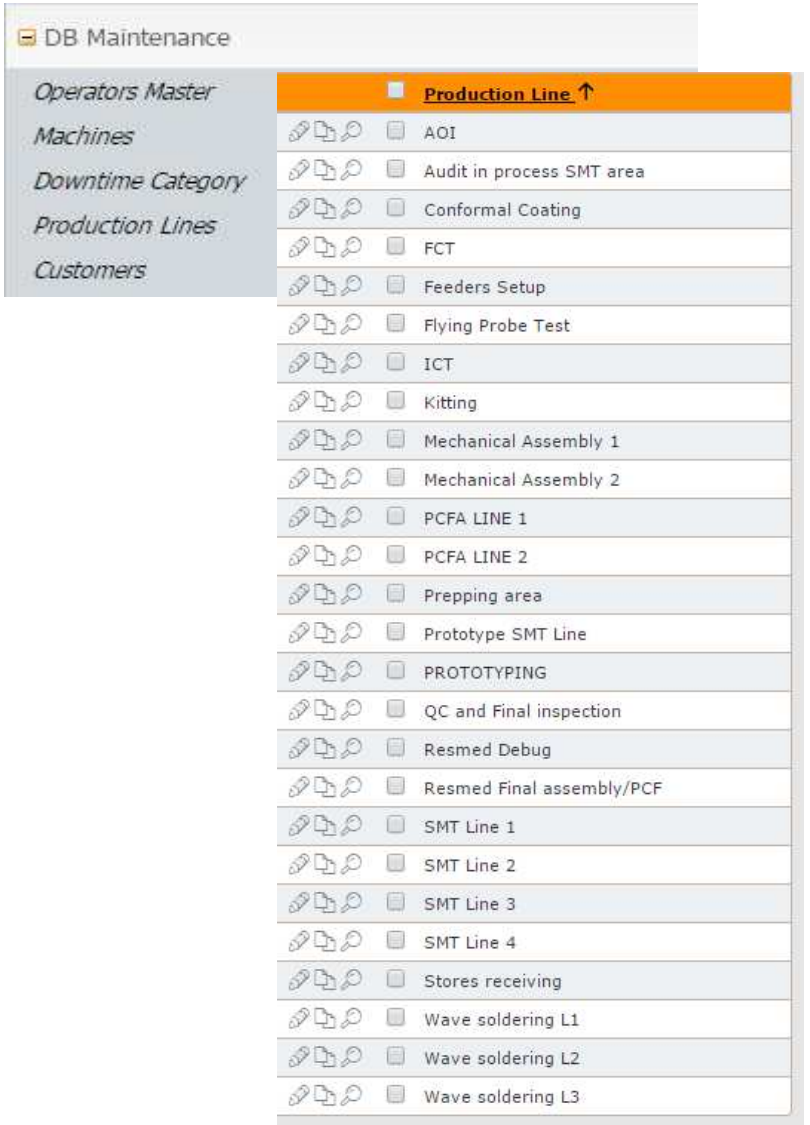
Reporting

- Dashboards, Charts, Reports –are offering you an easy way to see what is happening
- Output reports in PDF, CSV, Excel, Word, HTML, XML
- Reports can be auto generated and emailed on pre-set schedules
- Advanced Search powerful and versatile function is available for each module and let you customise the search in the way you want it
- On line report builder allows users to create their own suite of reports and charts



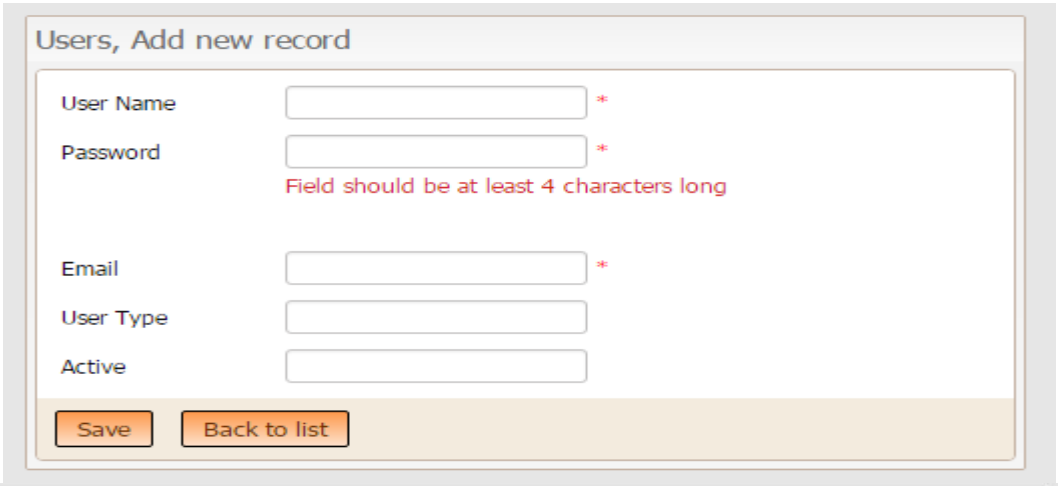
Administration

- Easy to set up and customise all the dropdown boxes
  - Operators Master
  - Machines
  - Downtime Category
  - Production Lines
  - Customers
- Audit Trail records all changes done to the data, the login details and time stamp



Users Administration

- Create multiple user levels
- Customise permissions for each level
- Add users, edit users, delete users
- Users may choose to register themselves using Registration feature from login screen
- Users need to provide a valid email address which is used during activation process
- Forgot Password feature helps users to recover their passwords
- Or use **Active Directory** and login with Windows credentials

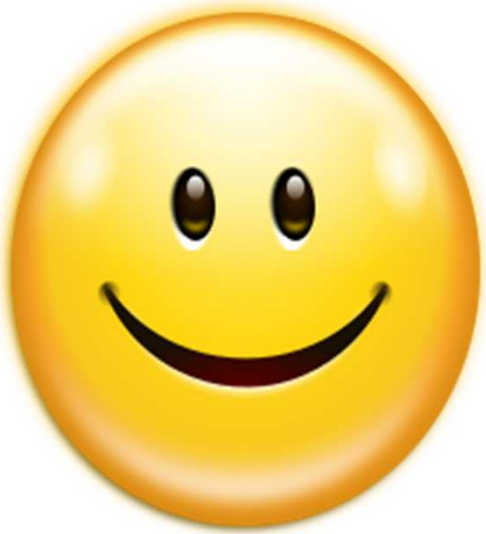


NS-SMS: Demo Available

- For a DEMO
  - Please contact us at customDB@nicks-software.com
  - We'll help with installation and configuration, if needed
  - We'll get you going quickly, via remote access

NS-SMS: Pricing

- For RFQ contact us at:
  - customDB@nicks-software.com

- For more details visit us at:
  - http://www.custom-database-software-development.com.au/
  - http://www.nicks-software.com

Thank you!