Remote Asset Monitoring System



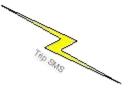
ISV/Software Solutions



System Communications Overview

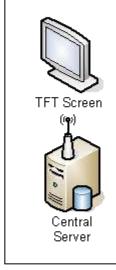


Responsible Person: Sib



- Logs all SMS data to the dalabase
- Rakes abm when the SMS rece bed
- Seeds to estimate to seeced ecoers
- Alone emote access to Sibs and Tricks
- Reporting and scheduled emaled reporting









Silo Controller



Os trips Logs Cally:

- Mass ormord Garre at Leve I Safe for least to
- Diretor of pimping activity Hourmeter
- Remotely accessible 20 marriage SMS log



Truck Controller



Transmits I Mil to carver: Exery mars bg

O trips

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Composestmasses

Hole count

Sat v eve k

Director of pimping activity

Remotely accessible



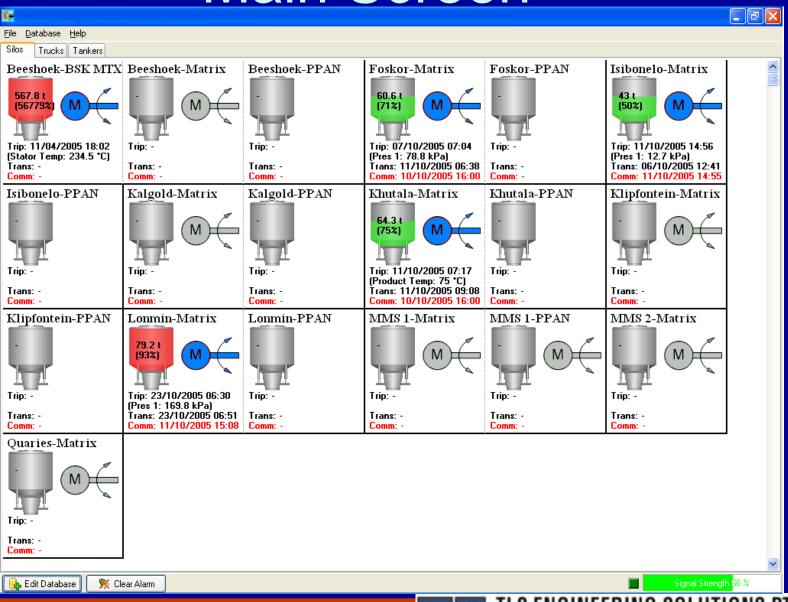
Responsible Penson: Trick

Control Room Communications Overview Prepared by Motswedi TLC April 2006



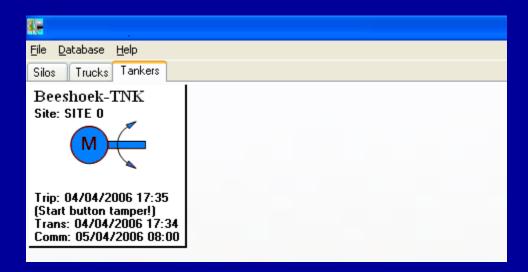


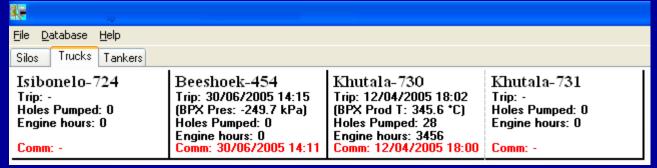
Main Screen



Asset Monitoring/Display

- Various Asset categories
- Representation with or without graphics.
- Customisable list of monitored parameters.
- Trip conditions monitored and displayed



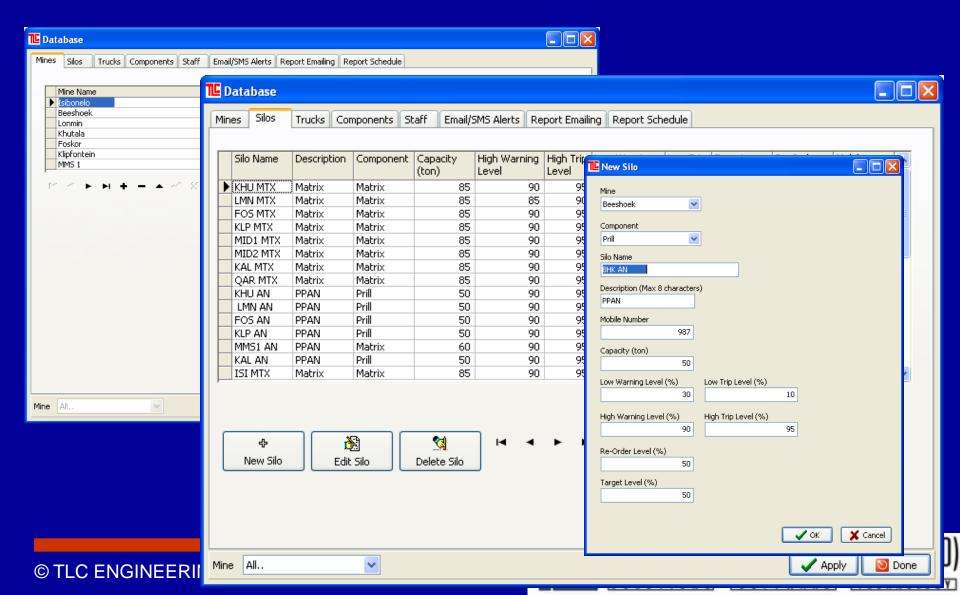


Trip Condition

- Trips indicated visually and audibly.
- Trips acknowledged and cleared by entering Staff Code.
- Ensures correct action is taken.

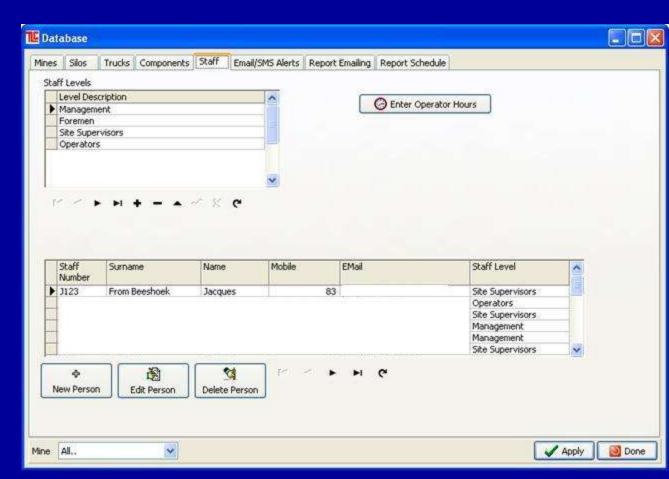


Asset Database



Staff Database

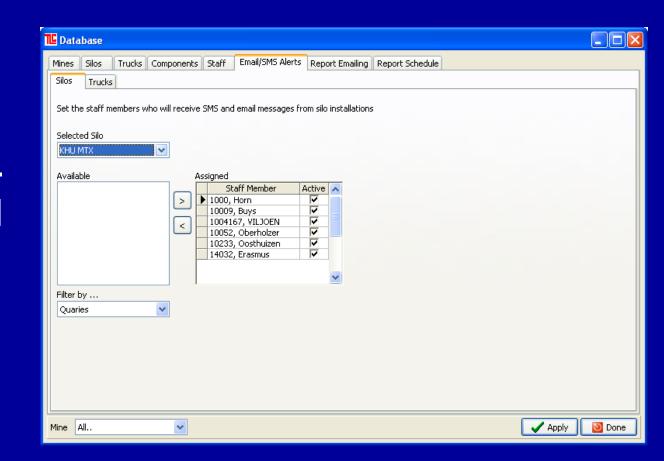
- List of staff members.
 - Contact details allow:
 - SMS notifications of trips.
 - Automated emailing of reports





Trip Notification Recipients

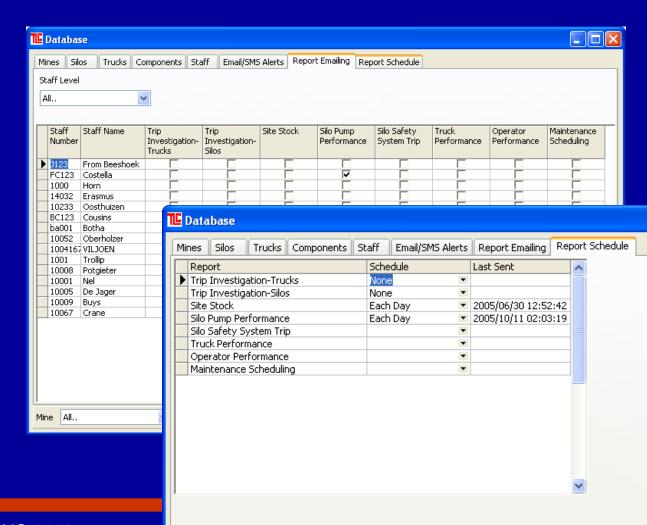
- Select Staff members to receive trip notifications.
- Customisable
 e for each
 asset.



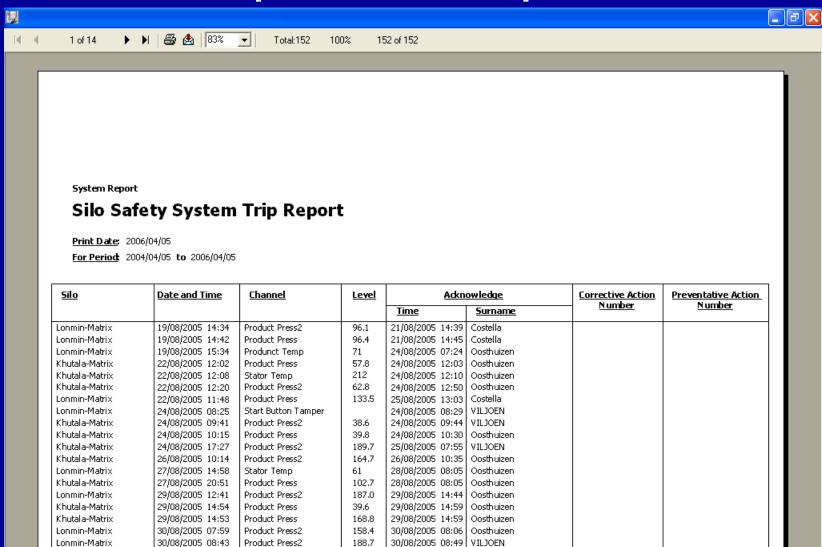


Reports and Schedules

- Select who should receive what reports.
- Customisable each report's e-mail schedule.

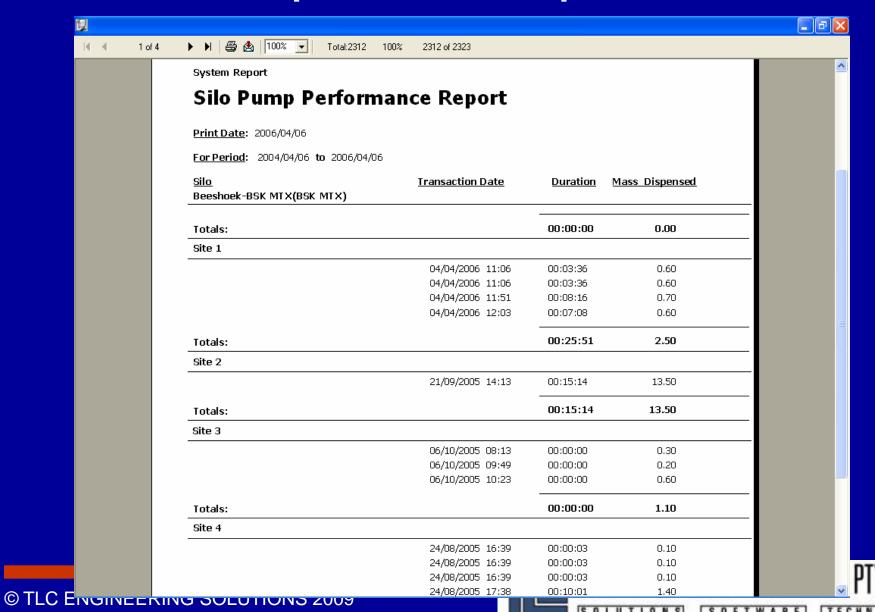


Report Examples



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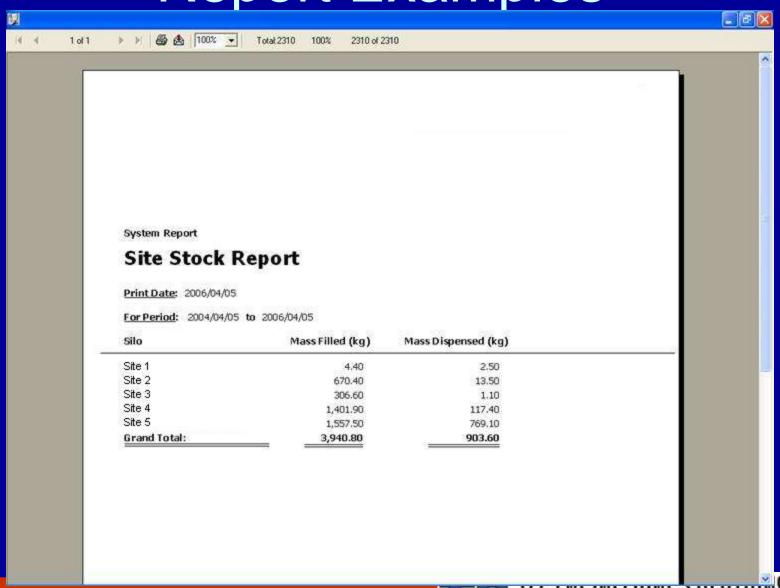
Report Examples



SOFTWARE

TECHNOLOGY

Report Examples



System Specifications

- Designed to run on Windows XP or 2000.
- Uses MS SQL Server MSDE database (no additional licensing required).
- Remote monitoring systems:
 - Embedded microprocessors.
 - Communications by SMS and dial-up (cellular network coverage required).



Remote System Specifications

- Two models available.
- Both available with LCD interface and watchdog.
- Model TLC-R001
 - 11x 24V Digital inputs (PNP/NPN configurable).
 - 4x 4-20mA powered inputs.
 - 2x RTD temperature inputs.
 - 2x 24V Counter inputs (PNP/NPN configurable).
 - 4x 24V Open-collector digital outputs.
 - 4x ±10V Analogue outputs.
- Model TLC-R002 (Truck Controller)
 - 16x 24V Digital inputs (PNP/NPN configurable).
 - 16x 4-20mA powered inputs.
 - 8x 24V Counter inputs (PNP/NPN configurable).
 - 16x 24V Open-collector digital outputs.
 - 16x ±10V Analogue outputs.
 - 2x ±0-20mA Analogue outputs.



Contact Details:

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