

Rotem Amfert Negev Ltd.

- An integrated, multinational phosphate group manufacturing and marketing a comprehensive range of products based on phosphate rock
- Formed through a merger of Negev Phosphates Ltd and the Rotem Amfert group in 1991.
- Based on the strengths of Israel's valuable hatural resource (Dead Sea Phosphate).

Rotem Amfert Negev Ltd (2).

- The group has ownership in a strategic network of European companies including productions plants in:
 - Holland
 - Germany
 - Belgium
 - France
 - Turkey



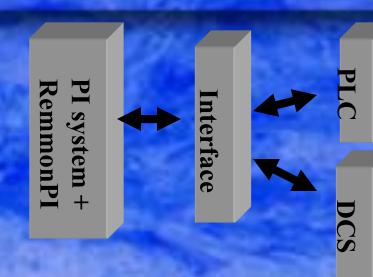
Rotem Amfert Negev - Main Products

- □ POTASH (min 60% K2O)
- POTASSIUM PRODUCTS
- GRANULAR FERTI-CLOW (LOW CHLORIDE PKS).
- REACTIVE PHOSPHATE ROCK
- SINGLE SUPERPHOSPHATES
- SUPERPHOSPHATES
- GRANULAR PK
- GRANULAR NPS
- GRANULAR NPK
- ORGANIC AGRICULTURE
- FULLY SOLUBLE FERTILIZERS

 SUPERPHOSPHATE POWDERS

Improved PI reliability

- Real time "communication failure" ALARM.
 - Creating a virtual TAG at the PLC/DCS.
 - Interface adds Time Stamp to the TAG.
 - Step 1: Rem-Pl sends SMS indicating Interface to Pl communication failure.
 - Step 2: PI sends regular message to the PLC, if an alarm is created Rem-PI sends SMS indicating PLC to Interface



- Stabilizing white acid system
- real time detect
- · precise solutio

Sulfuric acid Production plant reports

- Process of creating Sulfuric Acid releases heat. Electricity is a Byproduct – Released heat creates steam which operates turbine that creates electricity.
- Rem-Pl Report 1:
 - Turbine rotation velocity.
 - Input value- sulfuric amount
 - Output value- sulfuric acid amount

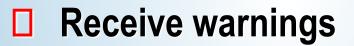


PAMA's - power station report

- Burning Oil Shell (mineral) creates white acid, electricity + cats leather (byproducts).
- Rem-Pl Report 2:
 - Steam Pressure in front of the Turbine.
 - Steam level in low pressure.
 - Turbine rotation velocity.
 - Temperature at the flame chamber.
- Percentage of the oxygen utilization.

Remote Intelligent Monitoring

Solution for remote management and control



Receive real time information





More than just reliability



CELLULAR PHONE as CONTROL PANEL

Data communication solution

Data Communication system Remote Site 1 Remote Site N PLC W PLC **RS232** RS232 R - COM R - COM Digital/Analog Digital/Analog Input Input SMS/ GPRS SMS,GPRS SMS,GPRS Modem Modem SMS,GPRS Modem Cellular Phone **Control Center Management station**



More... Haifa Chemicals Ltd.

- A multi-national company, is a recognized leader in the development, production and marketing of food and technical-grade chemicals, as well as fertilizers for agriculture and horticulture.
- ☐ With headquarters in Israel's Haifa Bay area, Haifa Chemicals is one of Israel's largest industries and exporters. The company ships more than 93% of its products from Israel's ports to manufacturers and growers in over 95 countries

Haifa Chemical's Main Products

- Food Additieves
- Patassium Nitrate
- Technical Products.
 - Oil and Oil Transport
 - Cement and ceramic industries
 - Detergent industries
 - Glass industry
 - Metal industry



Rem Pl Integrated Management S/W





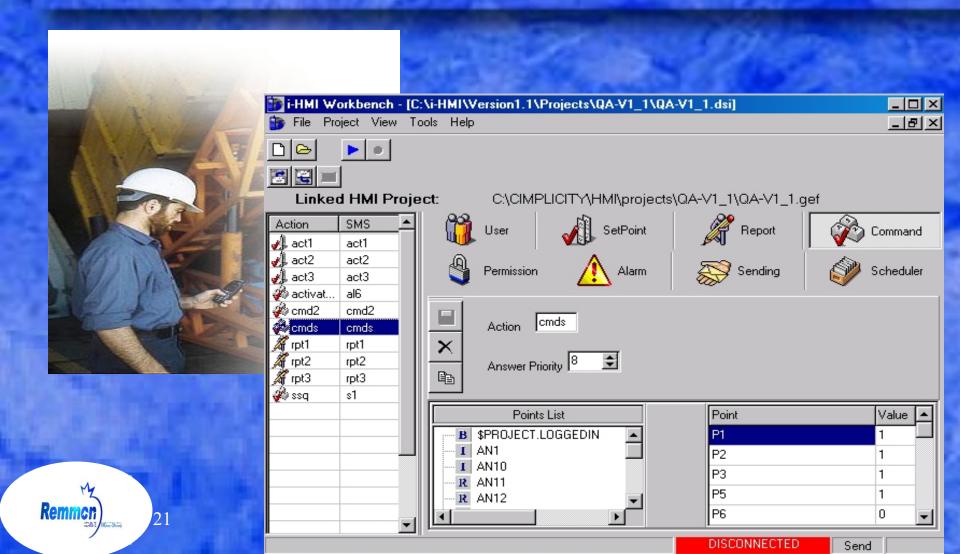
Rem-Pl your Petrochemical Management S/W

Rem-Pl is an add on application integrated with Pl system.

Using PI API (Application Programming Interface) programmatic interface to the PI System.



Rem Pl Integrated Management S/W



AND NOW TO THE SHOW

Main features

- Open system solution any cellular infrastructure.
- Secured solution not connected to internet or third-party servers.
- Remote Monitoring Remote mobile solution connecting PI managers to the system.
- Adaptable control panel for effective monitoring and control, focused information to the right person at the right time.



Rem-Pl Benefits

- Immediate presentation of incidents to the user for evaluation, providing a faster, more reliable monitoring of the PI system.
- Real time information provided to the PI manager, no need to manually retrieve data,
- Alarms based on Time stamp changes of Pl values.
- Receive PI reports directly to your cellular phone display.

