Your Italian Partner

23rd Annual Mideast and Africa Conference & Expo
December 5-9, 2012
Abu Dhabi, United Arab Emirates

The Mill in Your Hands
Your Italian Partner

I - MILL

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OCRIM

@MOBILE PACK

ENERGY SAVING PACK

DOMOTICS PACK
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OCRIM

REPORTS

YIELDS PLANT PERFORMANCES

PLANT MONITORING

iPad2

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- Adjustable Consumption Limits for Band
- Alarms for Excessive Consumption
- Controlled Sections Stops
- Controlled Sections Restart
- Energy Consumption Forecasts
- Periodic Consumption Report
- Production and Consumption Cross Reference
- Domotics Lighting System Control
- Intelligent Switch OFF - ON
- Manage with Programmable Timer
- Floors Inspection with CCTV Surveillance System
- Record Security Cameras Datas

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MODULAR SYSTEM FOR PROCESS MANAGEMENT

DEVELOPED IN OCRIM WITH ADVANCED TECHNOLOGIES

EASY TO IMPLEMENT FOR ANY MILLS, PRODUCT STORAGE, FEEDMILLS AND FOOD INDUSTRY

MANAGEMENT @ MILL
MANAGEMENT @ MILL
STOCK MONITOR

- Stock Updating in real time for each grain bin with Lot Product Archive
- Quantity Level Data = Previous Quantity + FlowIn - FlowOut
- Statistics, Daily Level Changes and Manual Adjusting
- Reordering Policy
LOT TRACING

- Excellent Control and Quality of the Final Products
- Consumers safety for the Finish Products from each identified lot made
- Lots are created automatically depending on the real production processes
- Lot Archive Database
- Lot Map

MANAGEMENT @ MILL
LOT TRACER

1
2
3

LOT RECEIVING
P_1
P_2
P_3
P_4
P_5
P_6
P_7
P_8
P_9
P_10
P_11

WHEAT STORAGE
R_1
G_1
R_2
G_2
R_3

WHEAT MIXING
T_t_1
T_t_2
T_t_3

TRANSFER & CLEANING
T_D_1
T_D_2

1 TEMP
M_1
M_2
M_3

2 TEMP
T_E_1
T_E_2

MILLING
FLOUR HOMOG
FLOUR MIXING
FLOUR MIXING

LOAD-OUT BAGGING

BAGGING

SHIPPING

X_1

LOAD-OUT

Automatic Lot Traceability

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Recipe Manager

- Automatic Mill Adjustment Set-up for Faster and Flexible Production Changes

- Manual 60 – 90 minutes  →  Automatic 1 – 5 minutes

- Formula Optimization

- Recipes Database:
  - New
  - Open
  - Save / Save as

MANAGEMENT @ MILL
Production Planner

- Single Order Execution
- Production Scheduling
- Sale Plan (MRP)

Production lot order execution

- Programmed Start-Up (date, time)
- Machine Automatic Start / Stop
- Alarm Stand-by
- Automatic production change
- «End of Lot» condition Set:
  - By Quantity
  - Source Emptying
  - Destination Filling

MANAGEMENT @ MILL
Maintenance Planning

- Maintenance planning based on actual runtime hours for every single machine
- Real (Actual Working) Time Alarms
- Automatic Planned Maintenance guidance
  - Job / Intervention Reports
  - Maintenance Task Statistics
  - Technical Documentation

MANAGEMENT @ MILL
Maintenance Cost Analysis

- Preventive Maintenance Costs:
  - Intervention (Programmed)
  - Plant Stop (Downtime)
  - Early Replacement (Spare Parts)

- Corrective Maintenance Costs:
  - Production Interruption (Downtime, Missed Deadlines)
  - Manned Intervention (Unexpected)
  - Emergency Replacements (Cost Intensive)
Maintenance Considerations

- For Each Machine @ Mill keeps under control:
  - Lifetime
  - Working Time
  - Allarms Log

- Online TELESERVICE SUPPORT directly from Ocrim’s Technical Response Center

- A Maintenance Intervention Cost Less Then the Relevant Fault

- The Maintenance Intervention is a certain cost to prevent a possible fault

MANAGEMENT @ MILL
AUTOMATION AS AN OPPORTUNITY FOR:

- ALL PLANT INTEGRATION
- CENTRALIZED INFORMATION MANAGEMENT
- ON TIME DATA EXCHANGE
- ADDING VALUE TO PRODUCTS
- COST REDUCTION
- MAXIMUM FLEXIBILITY