



HEXAGON
PPM



We want to replace
our paper
shift handovers
and **go digital**

How will this
affect us?



Paper Shift Handovers

Digital Enterprise Shift Handovers

Date: 17/06/2017 Morning Handover
 outgoing operator: Roger Cooper
 Incoming operator: John Smith
 Area: Distillation

Only one at a time viewing and editing

Information stuck in the control room

08:32 Field operator called...issues with valve on discharge. Says he needs clear answer. Will try and get hold of John.

Searching for data by tediously digging through old paper logs

09:04 Fire extinguishers being tested near maintenance tank

09:33 Informed Unit 2 is down for maintenance. (Wasn't in handover)

09:45: FK202 -> Manual... operation level.

Real-time data and maintenance information must be manually written in by hand

09:48: FK201 -> Back to 30% being tested

10:03 ... work on hold waiting for gas

No guarantee anyone follows the correct procedures

ask for test sample on outlet... sending a tech down

... is driving ... Bypass ... on flow... still waiting for Tech ... still down.

Personnel have to get back to the control room to see the shift handover



Visibility

Everyone has visibility

Key logs can be automatically emailed or escalated



Real-Time Data Collection

Real-time data, maintenance information, permits, work instructions are automatically added



Stable Procedures

One-touch near instantaneous finding of key data across the whole database



Off the Shelf

Single, stable, secure and off the shelf application available to everyone

Spreadsheet-like configuration



Mobility

Anyone can view the shift handovers on a mobile device

SHIFT HANDOVER
 Shift Handover > Jun 5, 2018 - Crude Oil Distillation Unit

Summary | Crude Oil Distillation Unit | Incident Management (0) | Operations Logbook (0) | Shift Crew

Handover in Progress

MANAGER Otto Spitznogle | AREA SUPERVISOR Tolly Kramer

Status	Open for Approval	Comments
Handover Group	Field Operator	
Location	Europe > Plant > Distillation > Crude Oil Distillation unit	Problems with the feedstock. We're very low in the inlet tank. Have no

Production Rates

Show Notes/Flags (1) | Add a note or flag

Key Shift Events

Safety, Health, Environment Event (Description)	Area	Event Time	Responsible
Injury on K55	Europe > Plant > Distillation	Tue 19, 12:44	Bas Aita
Loose tools on T32	Europe > Plant > Distillation > Crude Oil Distillation unit	Tue 19, 12:44	Friedrich Curtis
Opacity Exceedence	Europe > Plant	Tue 19, 12:46	Alec Tosto

Disruption Event (Description)	Area	Event Time	Duration (h:mm)
Pumo 45 Failure	Europe > Plant > Distillation	Tue 19, 12:46	1:20
Unit 3 Lack of Feedstock	Europe > Plant > Distillation	Tue 19, 12:46	2:40

Work Requests, Work Orders	Area	Date
Weld header at T45b	Europe > Plant > Distillation > Crude Oil Distillation unit	Jun 19

Approvals

Area Supervisor Nick Hurley **APPROVED** | Manager Nick Hurley **APPROVED**

Person Responsible	Verification Confirmation
Outgoing Operator	I confirm this document represents a true record of the shift
Incoming Operator	I confirm I fully understand the current state of the Process

Shift Targets, Key Values and KPI's

	Target
Acetic Acid Production Rate	
Acetic Complex Production Rate	
Crude storage tank level (%)	80

Additional Crew Information

Name	Position
Bas Aita	Field Operator

Plant Status



Over
30,000
Users
Worldwide

“ It has become an **essential tool**. Managers now have the ability to issue night orders, standing orders and new procedures and then have the ability to see that their direct report received and acknowledged. ”

 **CALPINE** Plant Manager
Calpine

“ We rely on **j5** for logbook, work instructions, standing orders, near misses and mobile inspection rounds. We would like to extend our use of j5 to other applications in the future. ”

 **Nobuyuki Takahashi**
Executive Director, Kainan Plant Manager
Wakayama Petroleum Refinery



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Operations
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With Spreadsheet
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and Enterprise
Scalability