## Which half of operations do you manage?



# Isn't it time for **BOTH?** HEXAGON | 🕼





#### ✓ ENGINEERING / IT

Using a single, intuitive spreadsheet-style designer, we can control every aspect (i.e. content, calculations, workflow, communications, presentation etc.) in every worksheet across the organization.



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a a a x fx -				>	
A B	c	D	^		Sections Roles
11 Plant Identification	<plant d=""></plant>		Equips	로 로 1	
12					
13 Additional Plans		Plan #		Form	ion 1 Permit Instructions and Base I
14 Isolation Plan	<isolchk></isolchk>	<looplan></looplan>			ion 2 Hazard Identification and Cor
15 Confined Space Entry	<conspacechk></conspacechk>	<conspaceplan></conspaceplan>		-21	
16 Critical Lift Plan	<oilion></oilion>	<oil ipiar=""></oil>		-22	
17 Excavation Plan	<excavchk></excavchk>	<excavplar></excavplar>		-2.4	
18 Gas Tests (Below)	<gastestchk></gastestchk>	<gas7estplat></gas7estplat>		C	ine 7x 006
19 Hazard		Control			
20 «Hazard»	Hazard>		<control></control>		rce and Repeats
21 Actions in the event of an emergency				Title	Section 2 Hazard Identificati
22 *EmergencyActions>				Visible If	M
23 Additional Controls		Control #		Enabled	From the start
24 Job Safety Analysis		<jobsalety cn=""></jobsalety>			<ul> <li>After previous section is cor</li> </ul>
25 Standard Maintenance Procedures	<stdnaintchk></stdnaintchk>	<stdnaintcn></stdnaintcn>			After all preceding sections
26 Intrinsically Safe Equipment	<safeequipchk></safeequipchk>	<safeequipcn></safeequipcn>			complete
27 HeimetBoots	<ppehelmetchk></ppehelmetchk>	Hearing Protection			O With previous section
28 Eye Protection	<ppeeyechk></ppeeyechk>	Signs and Barriers			and if A
29 Gloves	<ppebloveschk></ppebloveschk>	Breathing Protection		Can repeat	
Breathing Apparatus	<ppebreathinochk></ppebreathinochk>		~	6	



## ✓ SUPERVISORS

Now I can issue instructions, and see that they are followed precisely. The worksheets collect and filter the important stuff from the units into a single sheet that I can also see on my mobile device.



Disruption Event (Description)	Event #	Event Time	Duration (h:mm)	Reason for Disruption	
Had a rupture disk blow at 10:00	DR221	Sep 1, 10:00 AM	2:45	High pressure in the flash tank	
Work Requests, Work Orders	WR#, WO#	Date	Status	Comments	
Overhaul of header to Unit 1	W0887	Aug 29	Underway		
Leak on pipe leading to the feeder station 22	WR862	Sep 1	Not Started	This is getting quite serious, I need to get some response on this one.	
Bypassed Alarm (Description)	Tag Name	ByPass Time	Approved by	Reason for ByPass	
Pressure in flash tank 4	PIC233	Sep 1, 9:37 AM	Clyde Fox	Dicky transmitter. (Called the tech)	
Temperature on flash tank 4	TIC233	Sep 1, 1:05 PM	Hardy Teodosio	Seems to be related to the PIC233, possible a power problem in that area.	
Off-line Equipment	Equip tag #	Expect on- line	Responsible	Reason off-line	
Rotating Arm flocc	77-TK-1	Sep 4	Ali Wayan	Major overhaul as a result of stoppages	
Pump 242	23-WE-312B	Sep 13	Alec Frank	Waiting for new bearing	
Permits Requiring Attention (Title)	Permit #	Area	Responsible	Reason	
Welding of the header below 25C	HP 492	Crude Unit	Alfie Aston	Corrosion problems	
Training Courses Underway	Who	Area	Trainer	Comments	
Operator Training 104	All side shift operators	Distillation	John Smith	Please don't miss this.	

### ✓ CONTROL ROOM

We now have rich real-time information in our handovers, in our target management, in procedures like start-ups, in permits etc. Not having this data would seriously impact our efficiency, production and safety.



Ingredient	Amount Required	Amount Measured	UOM	Done
TI401	2000	112.24	Litres	Done City
ST550	300	300.37	Litres	Dane 0
Key Measurement F	Points			
Measurement Point	Value Required	Amount Measured	UOM	Done
LIC101	80	52	PSI	Deve Sta
FIC100	355	404	Kilolitres	Done Stip
ST550	300	300.37	Kilograms	Dove Skip
Special Comments	We had a delay due to a st This may have affected the			
Batch Trend	401.0	N.L. Mar M	In a will a	0 • PL033 • ST550 • TH0



✓ FIELD OPERATIONS

I am now connected to the rest of the team via my mobile and I no longer have to get back to the control room to find out what is going on.





#### ✓ INSPECTION ROUNDS

We've now got complete control of all our inspections. Data entered into the industrial mobile device is synchronized automatically with the enterprise system and OSIsoft PI.











Time 3.30 AN 4.30 AN Time 5.30 AN Description Description Description NS feed to Dexter In the fag Fer Top Temperature In-OutTop Pre-

149 Norther Pic 3223 PiC 3228 Rom24.19 Rom24.19 Rom24.19 Rom241.19 Rom241.19

Unit Agriev Agriev Marg Deg C Deg C Deg C



49.0

## MANAGEMENT 🗸



Making informed strategic decisions requires validated, data from a huge number of sources presented in a way that we can easily understand.

We can also easily distribute our instructions and make sure they are carried out correctly.

## MAINTENANCE $\checkmark$ AND PRODUCTION

I get to make informed decisions because all the information I need to keep everything working is all collected for me. Work requests from the field, information from SAP PM and permit information as it happens.

## SAFETY ✓

We now get reliable, validated site information which is key for us to maintain compliance and ensure the safety of our workers and the general public.



B

## ASSET FRAMEWORK SYNCHRONIZATION

OSIsoft assets appear in their full rich structure in the j5 system so we can add workflow and operations information, making them so much more useful.

## EVENT FRAME SYNCHRONIZATION

OSIsoft Event Frames are synchronized into the j5 system so now we can ensure the correct notifications; operations information and procedures are directly tied into each Event Frame.



#### Thames Water (UK)

The implementation of j5 across the Water Control function has given greater visibility of on-going issues and given us a consistent and accountable handover tool.

## JX Nippon Oil & Energy, Kiire Terminal (Japan)

We selected j5 as our standard Kiire Terminal tool for solving our past operations management issues and we are now achieving increased competitiveness.



j5 Operations Management is the ONLY system with spreadsheet configurability and enterprise scalability

Contact j5 International (Part of Hexagon) for more information www.j5int.com sales@j5int.com





