



Plan de développement du PI System®

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Déroulement

- Introduction
- Présentation de l'infrastructure PI System
- L'évolution d'un PI System
- Plan de développement
- Questions





L'infrastructure PI System

Le PI System



COLLECTER



HISTORISER



TROUVER



ANALYSER



DISTRIBUER



VISUALISER

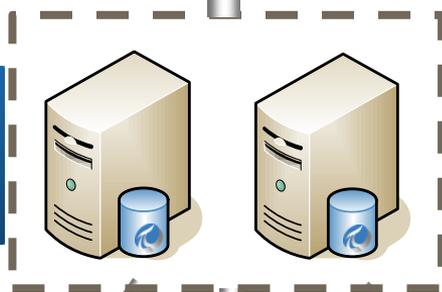
Outils clients PI System



Autres applications



PI System



Applications
d'entreprise ou
spécialisées



Interfaces PI System

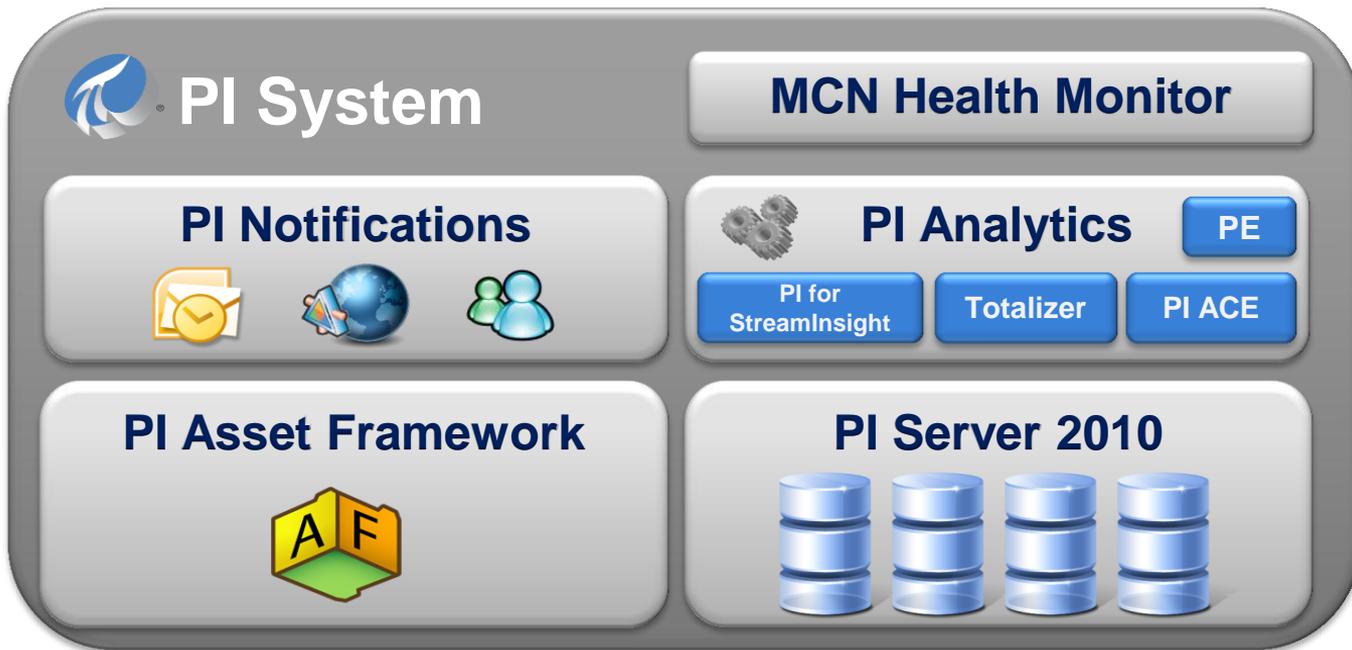


Base de données temporelles

- Le PI Server est optimisé pour le traitement de flux de données temporelles

Point	Valeur	Horodate
BEAUH_CE12_A6_MVV_MW	543.54	18-SEP-2007 14:00:00
BEAUH_CE123_A2_MVV_MW	233.45	18-SEP-2007 14:00:01
BEAUH_CE123_A4_MVV_MW	128.32	18-SEP-2007 14:00:03
...

PI System 2010



The dashboard features a central grey rounded rectangle with the following components:

- PI System** logo and title at the top left.
- MCN Health Monitor** button at the top right.
- PI Notifications** section with an envelope icon, a globe with a signal tower, and a group of people icon.
- PI Analytics** section with a gear icon, a **PE** button, and three buttons: **PI for StreamInsight**, **Totalizer**, and **PI ACE**.
- PI Asset Framework** section with a 3D cube icon containing the letters 'A' and 'F'.
- PI Server 2010** section with four server rack icons.

Sécurité
Windows intégrée



Windows Server
Active Directory

Haute disponibilité



Architecture 64 bits



Virtualisation

Microsoft
Hyper-V™



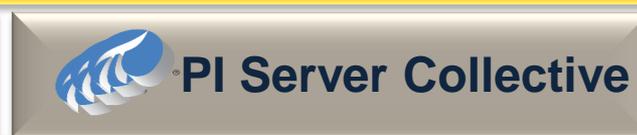
PI Asset Framework (AF)

Name	Value
Density	2100 kg/L
Diameter	10 m
Height	20 m
Level	13.8429641723633 %
Average	20.4814901819896 %
Maximum	50.1487998963403 %

Templates	
Element Templates	
OSI Reactor Model	
Tank Model	
Electric Meter	
Instrument Frame Templates	
Model Templates	
Notification Templates	
Transfer Templates	



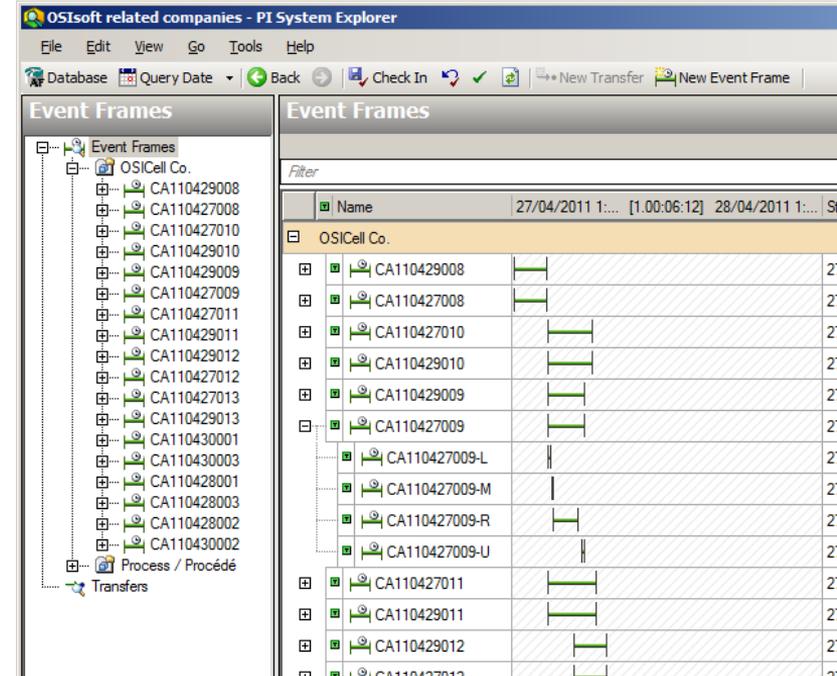
AF est un framework de développement d'applications dédiées à la gestion d'actifs



PI Event Frames



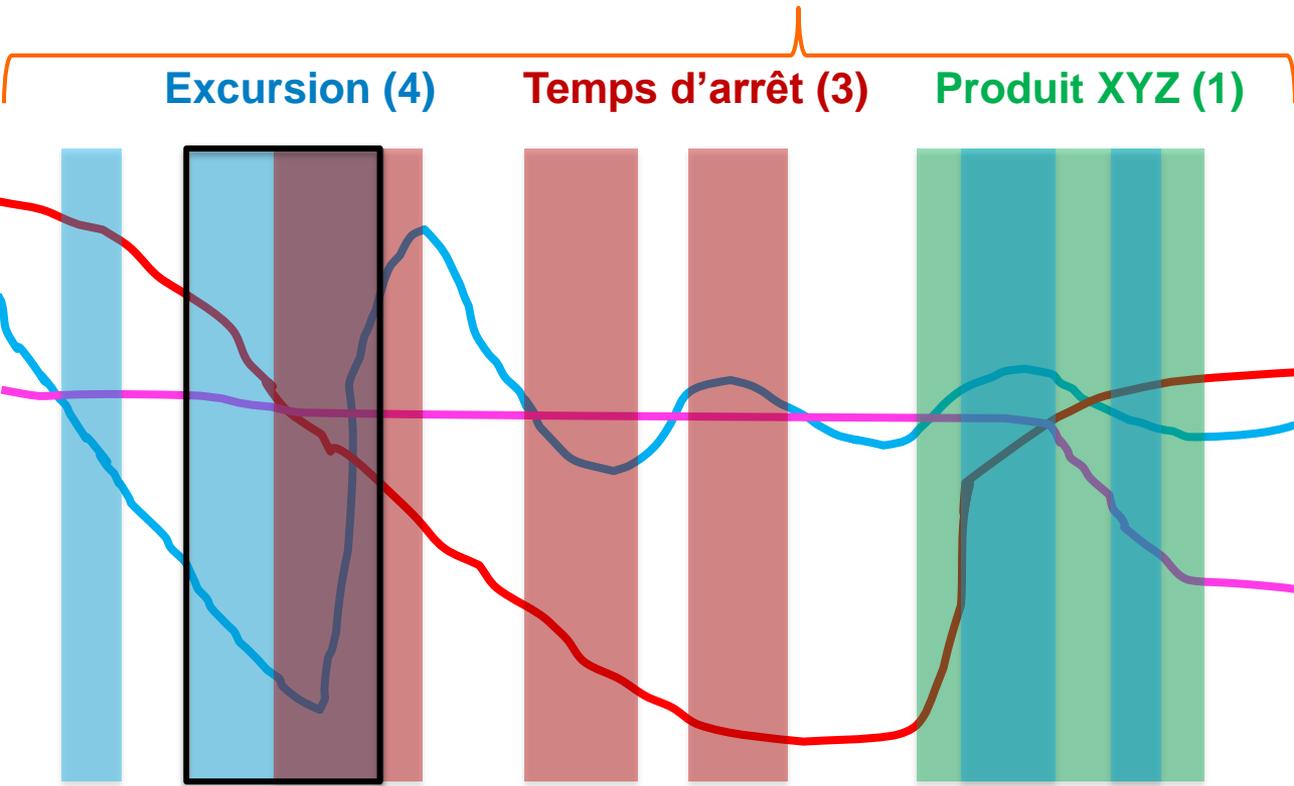
- Nouvelles fonctionnalités du PI System
- Permet l'encadrement de données
- Composition d'un gabarit d'événements
 - Nom de base de l'instance
 - Actif(s) de référence de PI AF
 - Contexte



The screenshot shows the 'OSIsoft related companies - PI System Explorer' application. The left pane displays a tree view of 'Event Frames' under 'OSICell Co.', listing various instance IDs like CA110429008, CA110427008, etc. The right pane shows a detailed view of the selected event frame, including a 'Filter' section and a table of data points with their respective time ranges.

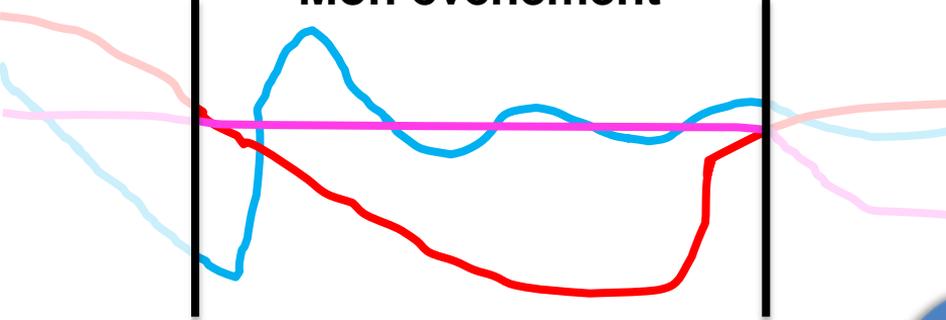
Name	27/04/2011 1:...	[1.00:06:12]	28/04/2011 1:...
OSICell Co.			
CA110429008			
CA110427008			
CA110427010			
CA110429010			
CA110429009			
CA110427009			
CA110427009-L			
CA110427009-M			
CA110427009-R			
CA110427009-U			
CA110427011			
CA110429011			
CA110429012			
CA110427012			

PI Event Frames vous permet d'enregistrer les événements importants et l'information reliée à ces événements

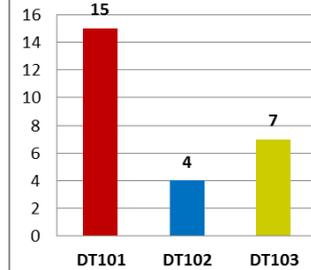


Attributs	Valeur
Nom	Ex 20121215-0002
Horodate début	15-Dec-2012 10:35:02
Horodate fin	15-Dec-2012 10:47:26
Durée	12 min 24 s
Actif	Bouilloire-352
Type excursion	Haute limite
Moyenne du débit de gaz	37.12 k sft3/h
Utilisation de carburant	823.48 k sft3/ton
TRG	47.19 bbl/d

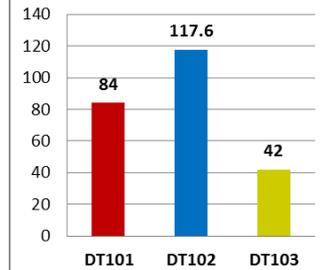
Mon événement



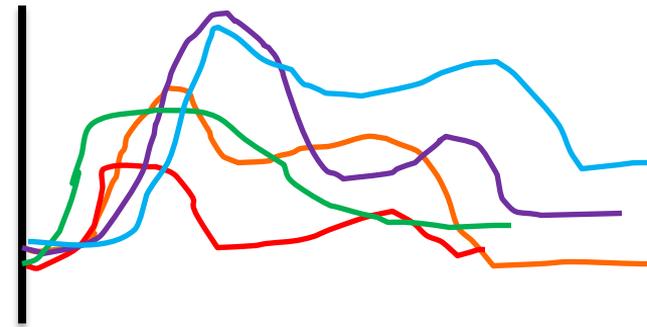
Weekly Downtime (Instances)



Weekly Cumulative Downtime (hrs)

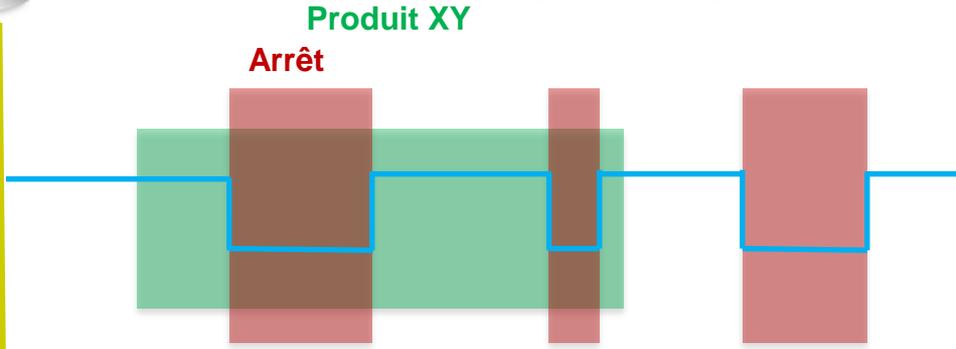


Température lors des démarrages



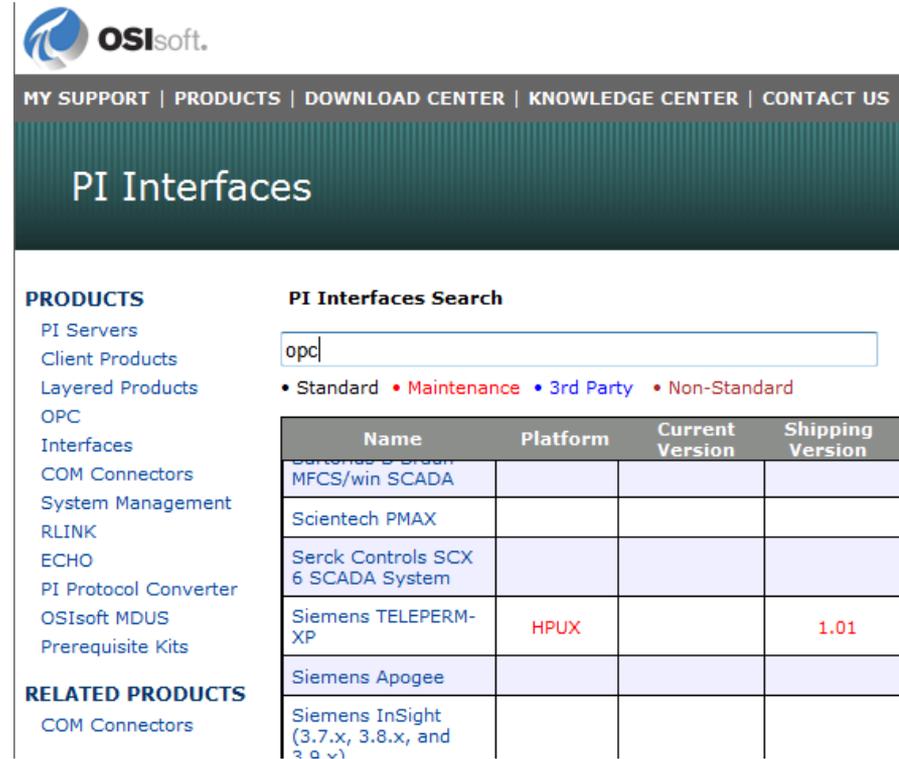
Nom	Temp. max
EF1	122.47
EF2	109.34
EF3	112.73
EF4	98.61
EF5	125.24

Arrêts non planifiés pour le produit XY



Interfaces

- Plus de 450 interfaces disponibles
- Plusieurs protocoles et systèmes
 - OPC, Modbus, SNMP, fichier texte, ODBC



OSIsoft.

MY SUPPORT | PRODUCTS | DOWNLOAD CENTER | KNOWLEDGE CENTER | CONTACT US

PI Interfaces

PRODUCTS

- PI Servers
- Client Products
- Layered Products
- OPC
- Interfaces
- COM Connectors
- System Management
- RLINK
- ECHO
- PI Protocol Converter
- OSIsoft MDUS
- Prerequisite Kits

RELATED PRODUCTS

- COM Connectors

PI Interfaces Search

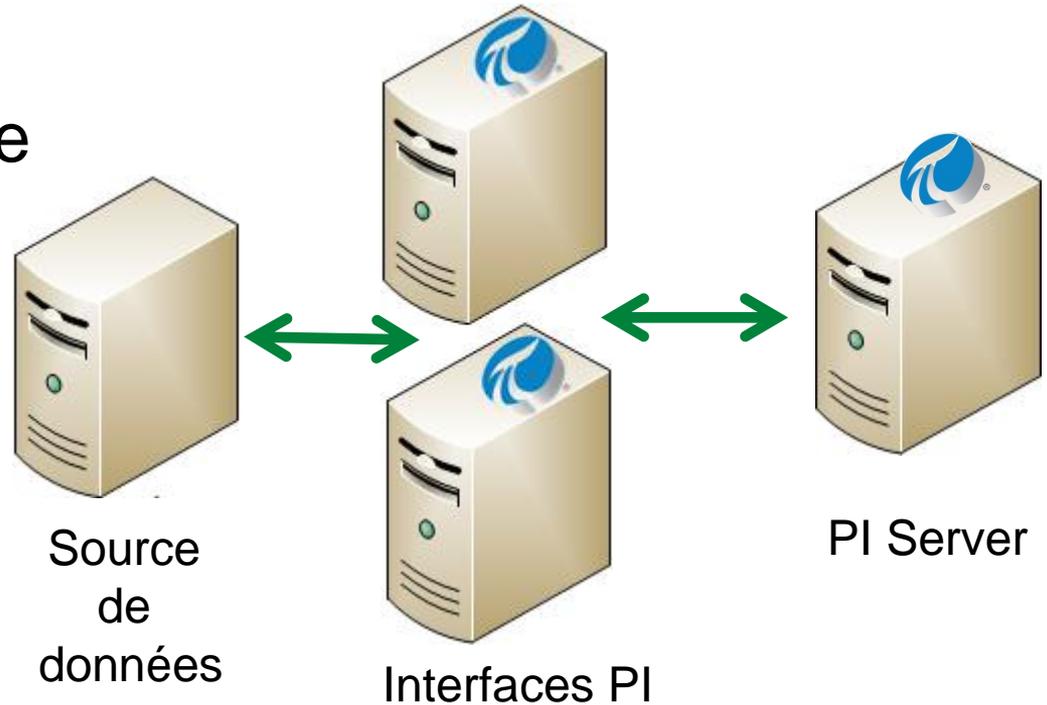
opc

• Standard • Maintenance • 3rd Party • Non-Standard

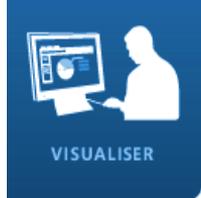
Name	Platform	Current Version	Shipping Version
Siemens InSight (3.7.x, 3.8.x, and 3.9.x)			
MFCs/win SCADA			
Scientech PMAX			
Serck Controls SCX 6 SCADA System			
Siemens TELEPERM-XP	HPUX		1.01
Siemens Apogee			

Caractéristiques des interfaces

- Redondance
- Solution améliorée de tamponnage
- Démarrage sans connexion au PI Server
- Points d'état et de performance



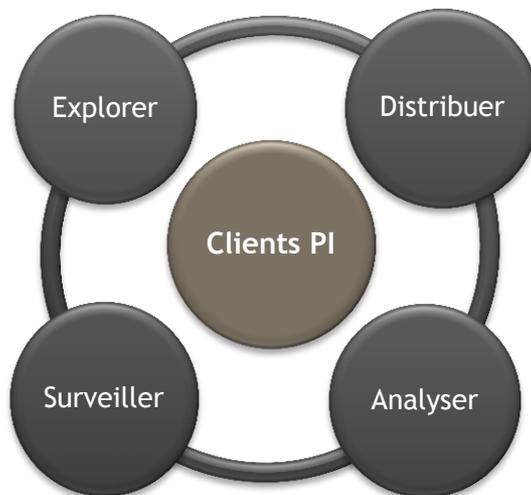
Outils de visualisation



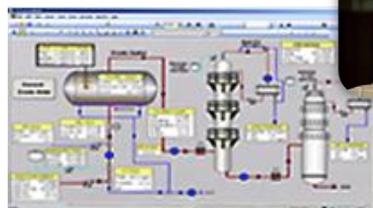
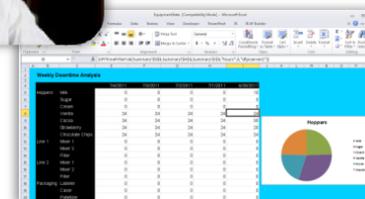
PI Coresight
Collaboration et
analyse ad hoc



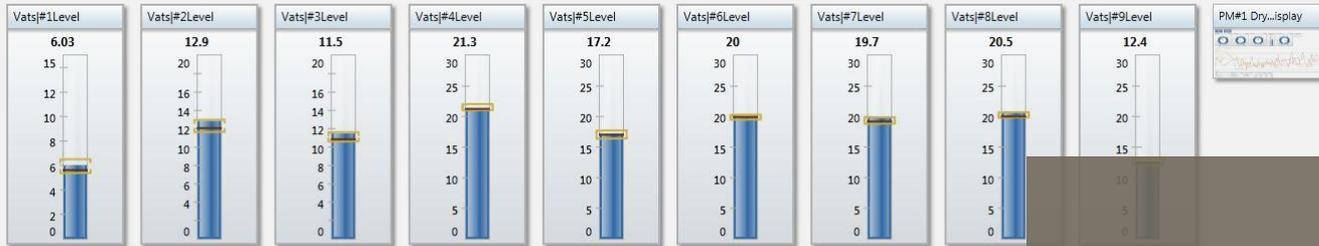
PI WebParts
Applications composites



PI DataLink
Rapports et analyses
de données

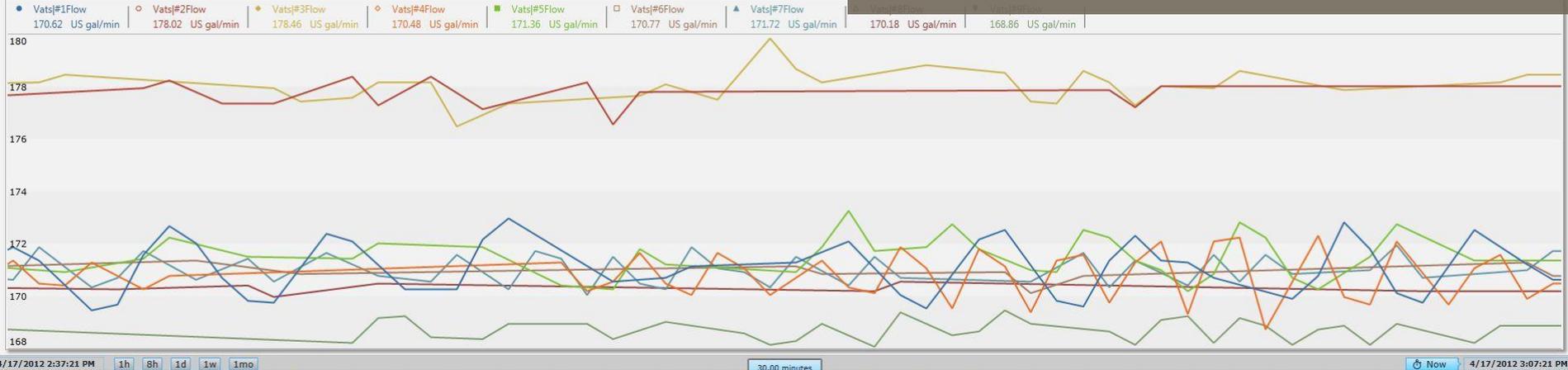


PI ProcessBook
Création d'écran de
procédé et de tendance



Name	Description	Units	Value	Trend	Average	StdDev	Maximum	Minimum	
Vats#1Level	PM1 #1 Vat Level	in	6.03		6.03	5.62	0.236	6.42	5.36
Vats#2Level	PM1 #2 Vat Level	in	12.9		12.9	12.1	0.323	12.9	11.6
Vats#3Level	PM1 #3 Vat Level	in	11.5		11.5	10.9	0.285	11.5	10.6
Vats#4Level	PM1 #4 Vat Level	in	21.3		21.3	21.3	0.174	21.9	21
Vats#5Level	PM1 #5 Vat Level	in	17.2		17	17	0.282	17.6	16.4
Vats#6Level	PM1 #6 Vat Level	in	20		20	19.9	0.131	20.1	19.5
Vats#7Level	PM1 #7 Vat Level	in	19.7		19.2	19.2	0.258	19.7	18.8
Vats#8Level	PM1 #8 Vat Level	in	20.5		20	20	0.208	20.5	19.8
Vats#9Level	PM1 #9 Vat Level	in	12.4		12.5	12.5	0.18	13	12

PI Coresight
 Supervision des réservoirs
 d'alimentation de pâtes
 Rock-Tenn
 OSIsoft Users Conference - 2012



LICA Load 2,368

PSA ST: 707 PSA GT: 0 FTU: 111 MISC.: 169 ZONE K: 522

% Gas: 100
 Dth/hr: 7,703 0 1,065
 Dth/Dy: 33,852 0

CSC 1 NEPT 1 1385 1 Y-49 1 CON ED 1

330 550 190 0 -218

NPT Steam Dth/Hour: 3,622 PTJ Site Dth/Hour: 1,344
 NPT Ambient Temp: 47°F

Notes:
 1 - From NYISO
 2 - Calculated

EF Barrett 1

Unit Detail

Actual Net MW: **111**

ESec EP: 111.0
 SMin EP: 111.0

Gas Data

GAS%: 100
 GAS FLOW DTH/HR: 1,125
 DTH/DAY (9:00): 1,634

Oil Data

Oil Flow (MOP): 0
 Oil Flow (MOP): 0
 Fuel Oil (MOP): 0



PI ProcessBook
Gestion de la consommation
des carburants
National Grid
Séminaire régional – New York - 2011

PSA Units

	NPT1	NPT2	NPT3	NPT4	FTU	PT4	EFB1	EFB2	OU4	OU5	FAR4	EFB DT
Net MW	0	0	162	180	0	122	111	0	0	91	40	0
% Gas	100	100	100	100	0	100	100	485				
Dth/hr	7	25	1,763	1,827	0	1,344	1,125	0	0	1,115	433	0
Dth/Dy	20	103	7,131	8,423	0	5,583	4,757	0	35	5,248	2,435	0

	HITS OT	WABR OT	OUV OT	MCO OT	EROT END OT	MISC. GENERATION	HITS CC	HEMP RR	INDC RP	CTHABS DS 1
Net MW	0	0	0	0	0	0	70	99		-1

FTU Units

	OUV88	INDT2	FAGS	FARGT1	FUGT1S2	PREST1	ETHCCS	FIMCC1	CTHCC1	FARGT2	GRNGT1	SH884
Net MW	0	0	0	0	0	0	55	57	-1	0	0	0
Dth/hr	0	0	0	0	0	0	401	574	300			





Home Insert Page Layout Formulas Data Review View Developer Acrobat

Calibri 11

Number

Styles

Clipboard Font Alignment Number Cells

M20

AMONIX

Alamosa Power Plant

DNI -1176 11544 12943 Date 5-Apr-12

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1																
2																
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43																

Home Insert Page Layout Formulas Data Review View

Calibri 11

General

Styles

Clipboard Font Alignment Number Cells Editing

Q28

Alamosa Power Plant

Select Sector D02 Green > 80 <Orange > 60 <RED

Unit	Current Power		Max KW						Max 7 Days Max Dev	
	Time	Value	28-Mar	29-Mar	30-Mar	31-Mar	1-Apr	2-Apr	3-Apr	
1	4/4/12 12:24 PM	69.8	67.9	67.1	67.5	69.2	70.9	58.2	74.3	0.7
2	4/4/12 12:23 PM	69.2	68.7	68.3	66.9	68.8	70.8	58.5	73.8	1.2
3	4/4/12 12:20 PM	66.2	69.6	68.7	69.1	71.0	72.5	59.4	75.0	0.0
4	4/4/12	64.4	65.9	62.4	63.8	64.5	66.6	52.4	68.3	0.7
5	4/4/12	63.4	66.9	66.2	66.8	68.1	70.0	57.5	72.6	0.7
6	4/4/12	67.2	66.6	65.9	66.4	68.4	69.9	57.8	72.6	0.7
7	4/4/12	67.0	67.7	67.1	67.2	69.2	70.6	57.8	72.6	0.7
8	4/4/12	68.1	67.4	66.8	67.1	69.1	70.8	57.8	72.6	0.7
9	4/4/12	68.8	67.7	66.8	67.1	69.1	70.8	57.8	72.6	0.7
10	4/4/12	63.4	67.7	66.8	67.1	69.1	70.8	57.8	72.6	0.7
11	4/4/12	65.5	66.0	66.0	64.5	67.3	69.5	56.8	72.6	0.7
12	4/4/12	63.3	68.4	67.5	67.4	69.4	70.8	58.0	72.6	0.7

PI Datalink
Rapport – Suivi de centrale
Amonix



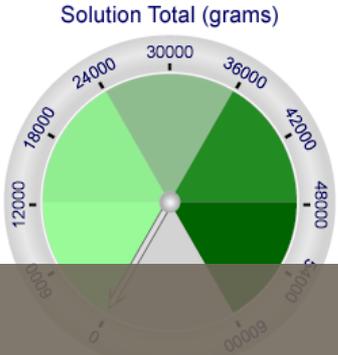
Coater-642P

Tablet Coater Operations Dashboard

Batch ID	Product	Recipe	Start Time	End Time	Duration
A123456	20 Small	PanCoatSmall	14 Feb 11 18:59	14 Feb 11 23:57	04:58
2/14/2011 10:41:33 AM					

Inlet Air Temp	23.6 Deg C	<div style="width: 30%; background-color: red;"></div>
Inlet Air Dewpoint	18.4 Deg C	<div style="width: 70%; background-color: red;"></div>
Inlet Air Flow	115.7 CFM	<div style="width: 40%; background-color: red;"></div>
Exhaust Air Temp	21.6 Deg C	<div style="width: 30%; background-color: red;"></div>
Atomizing Air Press	-0.1 PSI	<div style="width: 0%; background-color: red;"></div>
Pattern Air Press	0.0 PSI	<div style="width: 0%; background-color: red;"></div>
Solution Flow	-0.2 g/min	<div style="width: 0%; background-color: red;"></div>
Pan Speed	0.0 RPM	<div style="width: 40%; background-color: red;"></div>
Pan to Room DP	0.1 inH2O	<div style="width: 0%; background-color: red;"></div>
Load DP	0.0 inH2O	<div style="width: 0%; background-color: red;"></div>
Face & Bypass Damper	1.1 %	<div style="width: 10%; background-color: gray;"></div>

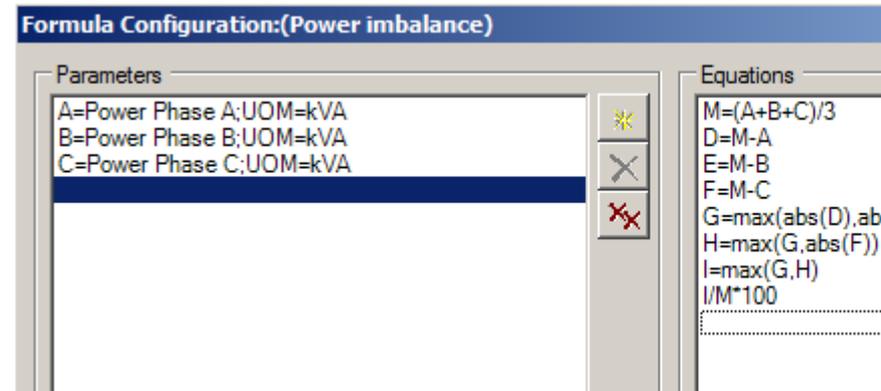
Descriptor	Value	Units
Coater 642P Recipe Item Code	20S57LILL	
Coater 642P Recipe Load Size	0.00	g
Current Solution Endpoint	0.00	
Spray Solution Volume Total	0.00	



PI WebParts
 Tableau de bord opérationnel
 Eli Lilly
 OSIsoft Users Conference - 2011

Calculs et analyses

- Permet de transformer l'information opérationnelle en information décisionnelle
- Caractéristiques des outils de calcul et d'analyse
 - Configurable ou programmable
 - Calculs planifiés ou basés sur des événements
 - Ad hoc ou historisation des résultats



Les outils d'analyse

- Performance Equation
 - Effectue des calculs facilement configurables
- Totalizer
 - Filtre les données sources pour les utiliser dans mon calcul
 - Affiche des résultats intermédiaires
- PI ACE
 - Utilise un environnement de programmation (VS)
 - Réutilise les calculs (contexte)
- Référence de données AF Formula
 - Centralise les calculs sans utilisation de point PI
 - Utilise d'autres sources de données dans les calculs



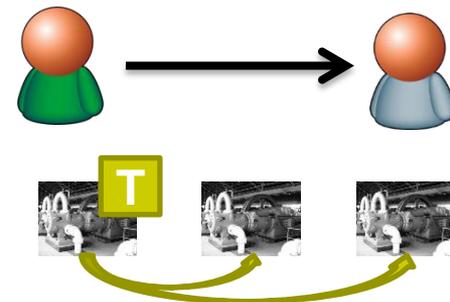
PI Notifications



- Identification des événements clés et génération de notifications
- Transmission aux gens et aux systèmes
- Messages personnalisables
- Accusé de réception et alertes progressives
- Déploiement facile avec les gabarits

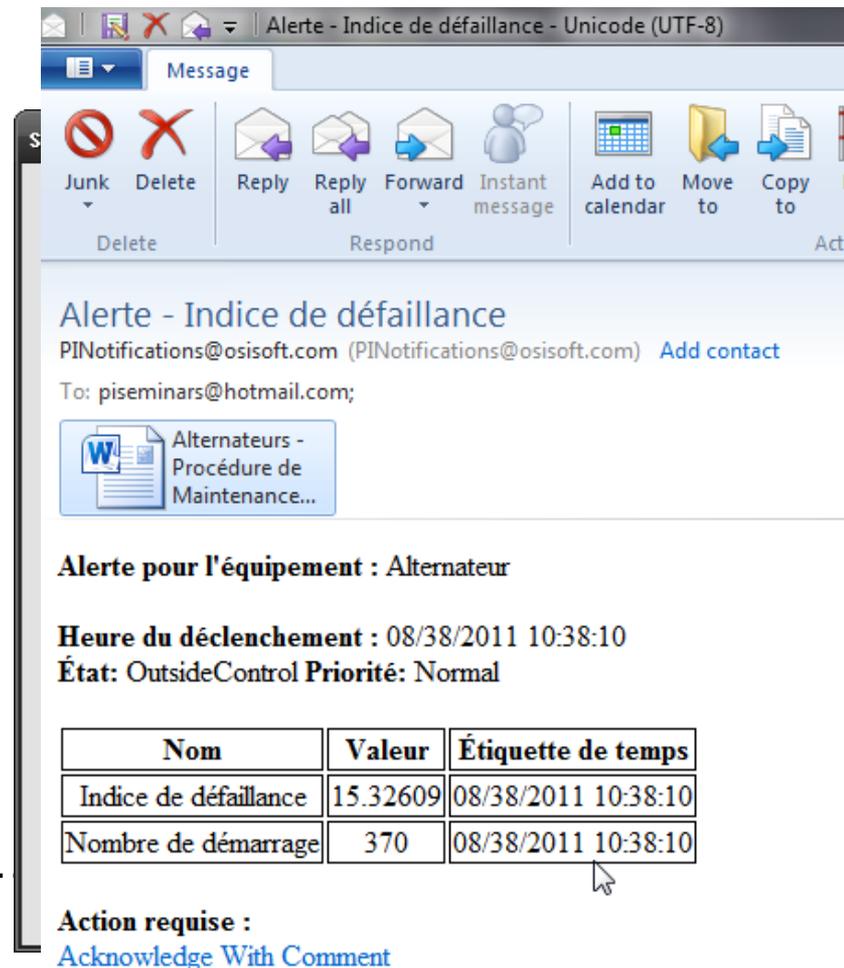


Fuel Gas Flow is 38.72 scf/h



PI Notifications

- Conditions de déclenchement
 - Comparaison
 - CSP (SQC)
 - Performance Equation
- Contenu
 - Contenu supplémentaire configurable pour faciliter la résolution de problèmes et la prise de décisions
- Livraison
 - Modes de livraison : courriel/service Web/Lync/personalisé..



The screenshot shows an email client window titled "Alerte - Indice de défaillance - Unicode (UTF-8)". The message is from "PINotifications@osisoft.com" to "piseminars@hotmail.com". It contains a Word document attachment titled "Alternateurs - Procédure de Maintenance...". The main content of the email is a notification for an alternator, including the trigger time (08/38/2011 10:38:10) and status (OutsideControl, Normal priority). A table follows with three rows of data. At the bottom, there is a link for "Action requise : Acknowledge With Comment".

Alerte - Indice de défaillance
PINotifications@osisoft.com (PINotifications@osisoft.com) [Add contact](#)
To: piseminars@hotmail.com;

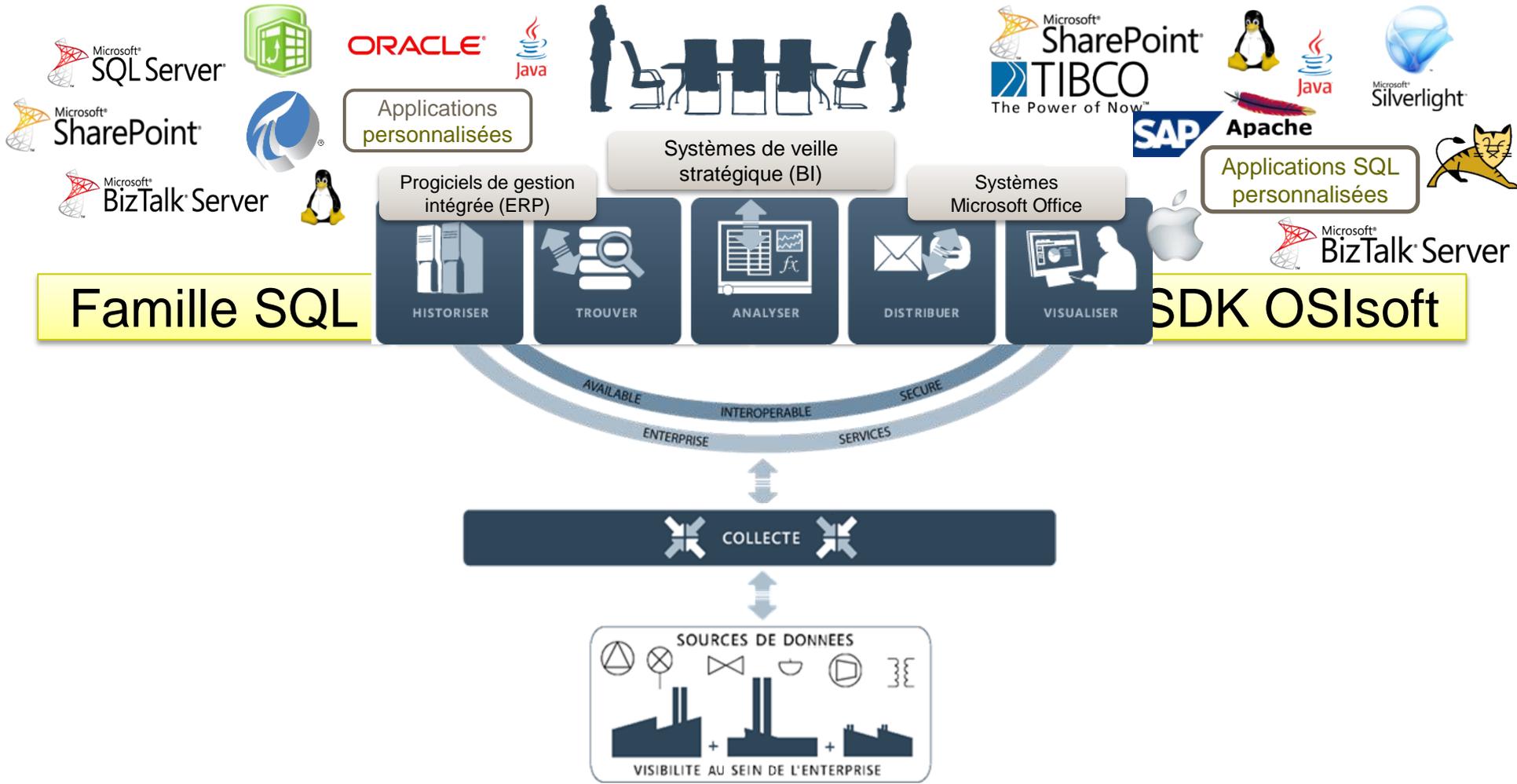
 Alternateurs - Procédure de Maintenance...

Alerte pour l'équipement : Alternateur

Heure du déclenchement : 08/38/2011 10:38:10
État: OutsideControl **Priorité:** Normal

Nom	Valeur	Étiquette de temps
Indice de défaillance	15.32609	08/38/2011 10:38:10
Nombre de démarrage	370	08/38/2011 10:38:10

Action requise :
[Acknowledge With Comment](#)



Le PI System



COLLECTER



HISTORISER



TROUVER



ANALYSER



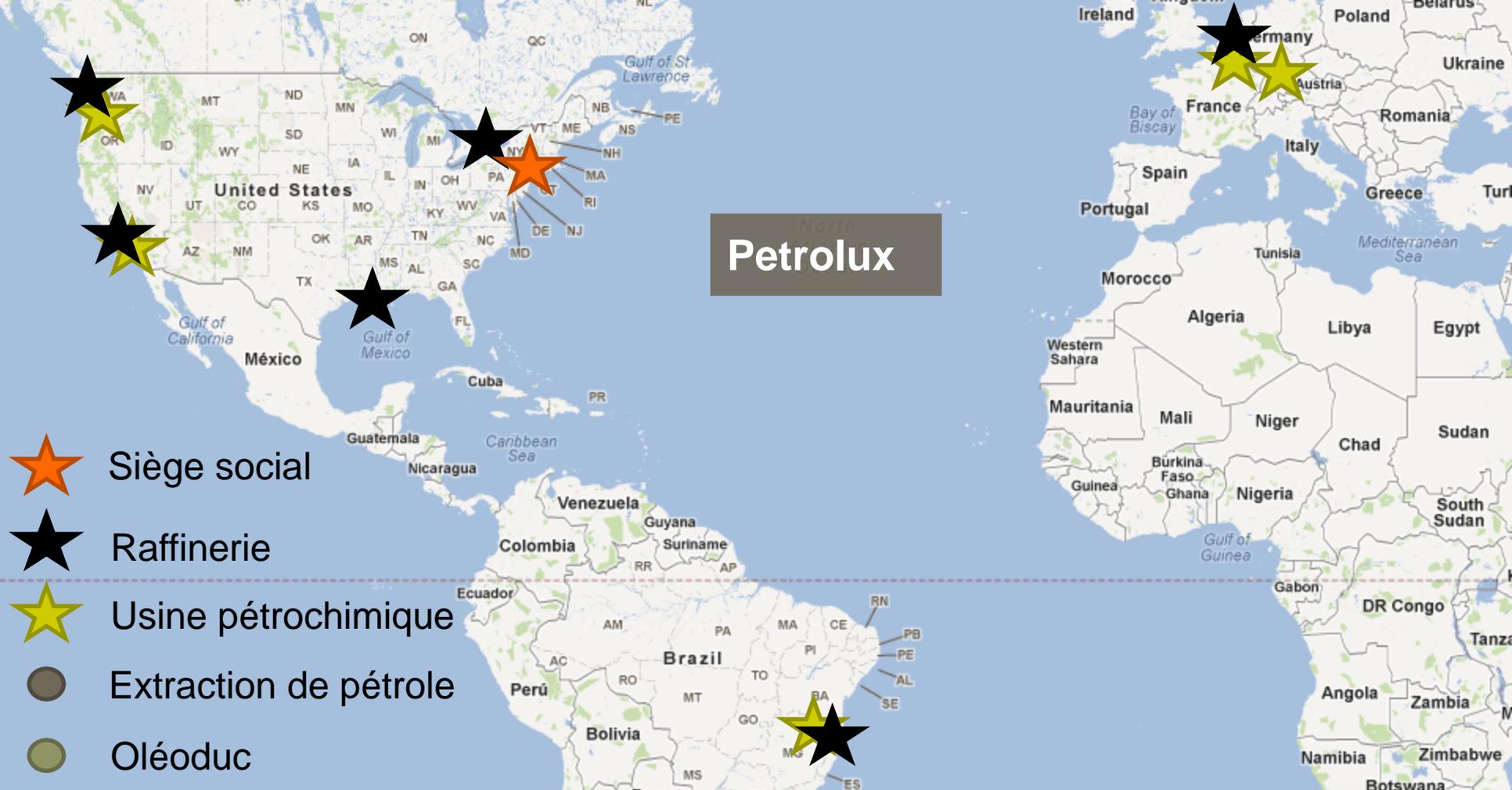
DISTRIBUER



VISUALISER



La vie d'un PI System





Anacortes

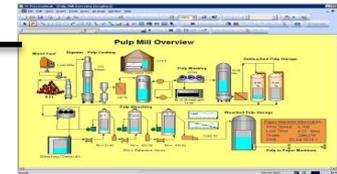
-  Siège social
-  Raffinerie
-  Usine pétrochimique
-  Extraction de pétrole
-  Oléoduc



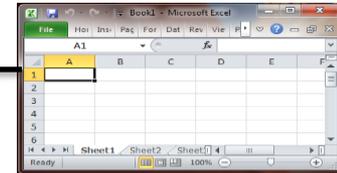
PI Interface



PI Server

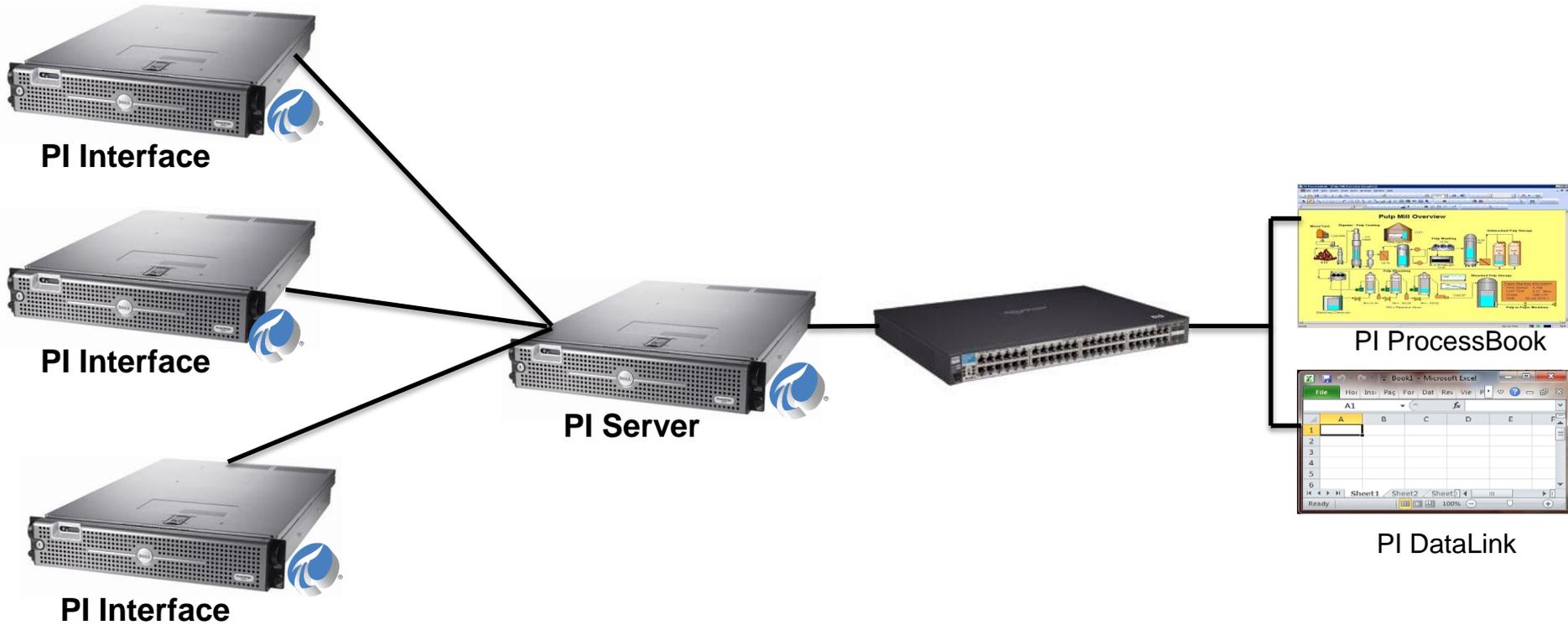


PI ProcessBook



PI DataLink

L'évolution



L'évolution



PI Interface



PI Interface



PI Interface



PI System 2010



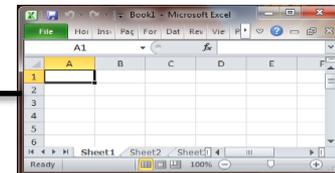
PI Coresight



PI ProcessBook



PI WebParts



PI DataLink

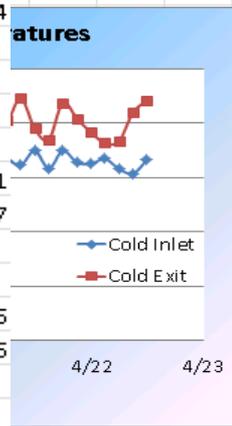
Elements

Elements

- Anacortes Refinery
 - Heat Exchanger-210
 - Heat Exchanger-216
 - Heat Exchanger-217
 - Heat Exchanger-218
 - Heat Exchanger-219
 - Heat Exchanger-220
 - Heat Exchanger-221
 - Heat Exchanger-222
 - Heat Exchanger-223
 - Heat Exchanger-224
 - Heat Exchanger-301
 - Heat Exchanger-302
 - Heat Exchanger-303
 - Heat Exchanger-304

Name	Value
Area	1200 ft ²
Calculated Heat Transfer Coefficient	8.08294009259129 Btu/h/ft ² /F
Cold Side Inlet Temperature	128.039932250977 °F
Cold Side Outlet Temperature	172.614288330078 °F
Cold Side Temperature Difference	44.5743560791016 delta °F
Design Heat Transfer Coefficient	305.7 Btu/h/ft ² /F
Fouling factor FPI	97.355924078314928
Heat Duty	57.2737068971556 MM Btu/h
Heat Duty Shell Side	1.00344755368703 MM Btu/h
Heat Duty Tube Side	1.51436029352418 MM Btu/h
Hot Side Inlet Temperature	319.550170898438 °F
Hot Side Outlet Temperature	293.734008789063 °F
Hot Side Temperature Difference	25.816162109375 delta °F
Information	

Anacortes Refinery						
Heat Exchanger-309			Current Value		Min	Max
B16	Area	Jan-01, 12:00 AM	1200.00	ft2	1200	1200
1	A	Apr-22, 11:50 AM	11.55	Btu/h/ft2/F		
2	Site:	Apr-22, 11:50 AM	165.01	°F	147	180.9
3		Apr-22, 11:50 AM	219.11	°F	180.4	228.5
4	Heat Exchanger Name:	Apr-22, 11:50 AM	54.10	delta °F		
5		Apr-22, 11:50 AM	301.40	Btu/h/ft2/F	301.4	301.4
6	Properties:	Apr-22, 11:50 AM	96.17			
7		Apr-22, 11:50 AM	66.58	MM Btu/h		
8		Apr-22, 11:50 AM	-0.10	MM Btu/h		
9		Apr-22, 11:50 AM	2.55	MM Btu/h		
10		Apr-22, 11:50 AM	376.38	°F	307.3	427.1
11		Apr-22, 11:50 AM	378.79	°F	282	394.7
12		Apr-22, 11:50 AM	-2.40	delta °F		
13		Apr-22, 11:50 AM	184.08	delta °F		
14		Jan-01, 12:00 AM	45.00	lb/ft3	45	45
15		Jun-25, 08:24 AM	0.95	Btu/lb/F	0.95	0.95
16		Apr-22, 11:50 AM	11.97	lb/s		
17		Jan-01, 12:00 AM	WX1000			
18		Apr-22, 11:50 AM	119.40	gpm	95.67	131
19		Jan-01, 12:00 AM	58.00	lb/ft3	58	58
20		Jun-25, 08:24 AM	0.89	Btu/lb/F	0.885	0.885
21		Apr-22, 11:50 AM	14.81	lb/s		
22		Jan-01, 12:00 AM	HC1500			
23		Apr-22, 11:50 AM	114.58	gpm	85.42	121.7





**Anacortes
Le PI System
évolue**

 **Siège social**

 **Raffinerie**

 **Usine pétrochimique**

 **Extraction de pétrole**

 **Oléoduc**

\\SCALAB02\Anacortes - PI System Explorer

File Edit View Go Tools Help

Database Query Date Back Check In Refresh New Element New Attribute Search

Elements

- Elements
 - Anacortes Refinery
 - Alkylation
 - Cooling Fan-378
 - Heat Exchanger-210
 - Heat Exchanger-216
 - Heat Exchanger-217
 - Heat Exchanger-218
 - Heat Exchanger-219
 - Heat Exchanger-220
 - Heat Exchanger-221
 - Pump-110
 - Pump-210
 - Pump-3019
 - Pump-3343
 - Pump-3667
 - Pump-3991
 - Pump-432
 - Pump-619
 - Atmospheric Distillation
 - Catalytic Cracking
 - Coking
 - Hydrodesulfurization
 - Isomerization
 - Naphtha Reforming
 - Vacuum Distillation
 - Viscosity Reduction

Anacortes Refinery

General Child Elements Attributes Ports Version

Filter

Name	Value	
Asset Down	1.99463166130914 %	R.
Asset Maintenance	2.62925387606209 %	R.
Asset Problems	3.06383658044132 %	R.
Asset Running	92.3034652898341 %	R.
Availability	NaN h	R.
Power Draw	2017.74177028526 kW	R.
Power Draw Maximum	2132.09774017334 kW	R.
Power Draw Minimum	1916.51013183594 kW	R.
Power Draw Std	5.37792259026868 kW	R.
Power Usage KPI	6.7337722260915225	R.

Group by: Category Template

Name: Power Usage KPI

Description:

Configuration Item:

Categories: Power KPI

Default UOM: <None>

Value Type: Double

Value: 6.7337722260915225

Data Reference: Rollup

Settings...

CategoryName=Power KPI,Calculation=Avg

Elements

Event Frames

Library

Unit of Measure

Anacortes Refinery Modified:4/18/2012 11:22:08 AM. Version: 1/1/1970 12:00:00 AM, Revision 1

\\SCALAB02\Anacortes2 - PI System Explorer

File Edit View Go Tools Help

Database Query Date Back Check In Refresh New Element New Attribute Search

Elements

- [-] Anacortes Refinery
 - [-] Alkylation
 - [-] Atmospheric Distillation
 - [-] Catalytic Cracking
 - [-] Coking
 - [-] Hydrosulfurization
 - [-] Isomerization
 - [-] Naptha Reforming
 - [-] Vacuum Distillation
 - [-] Viscosity Reduction

Alkylation

General Child Elements Attributes Ports Version

Filter

	Name	Value	Data Reference
[+]	Asset Down	6.28145599365234 %	Fomula
[+]	Asset Maintenance	0.438705126444499 %	Fomula
[+]	Asset Problems	1.19850773281521 %	Fomula
[+]	Asset Running	92.0523478190104 %	Fomula
[+]	Availability	Data was not available for attribute 'Availability Sec': Calculation failed.	Fomula
[+]	Availability Sec	Calculation failed.	PI Point
[+]	Efficiency	93.2062454223633 %	PI Point
[+]	Feed Rate	28.0046903700332 kbb/d	PI Point
[+]	Operating State	Running	PI Point
[+]	Operating State Integer	1	PI Point
[+]	Power Draw	79.624831980181 kW	PI Point
[+]	Power Draw Maximum	81.5486373901367 kW	PI Point
[+]	Power Draw Minimum	78.1760177612305 kW	PI Point
[+]	Power Draw Std	0.703516768431038 kW	PI Point
[+]	Power Usage KPI	2.8432677143749019	Fomula
[+]	SVG File		<None>

Group by: Category Template

Name: Availability Sec

Description:

Configuration Item:

Categories: Performance Metrics

Default UOM: hour

Value Type: Double

Value: ! Calculation failed.

Data Reference: PI Point

[Settings...](#)

\\10.8.64.40\Anacortes Refinery.Alkyltion.Availability Sec;TimeMethod=TimeRangeOverride;RelativeTime=-3m;TimeRangeMethod=Average;TimeRangeMinPercentGood=20;UOM=s

Elements

Event Frames

Library

Unit of Measure

Availability Sec



Baton Rouge

 **Siège social**

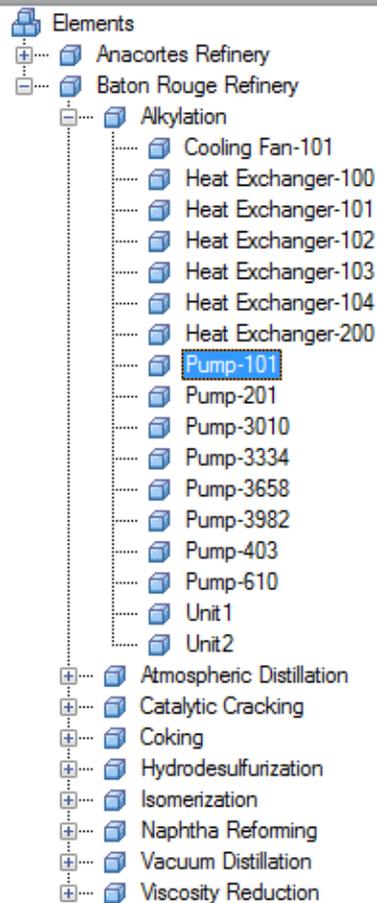
 **Raffinerie**

 **Usine pétrochimique**

 **Extraction de pétrole**

 **Oléoduc**

Elements



Element Relative Display

Search

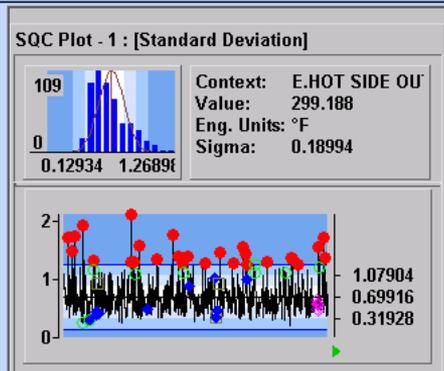
Search Mask

Elements of Interest

Group by: Template

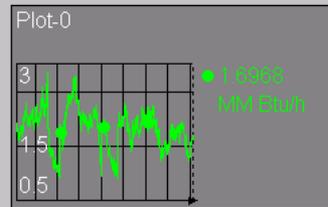
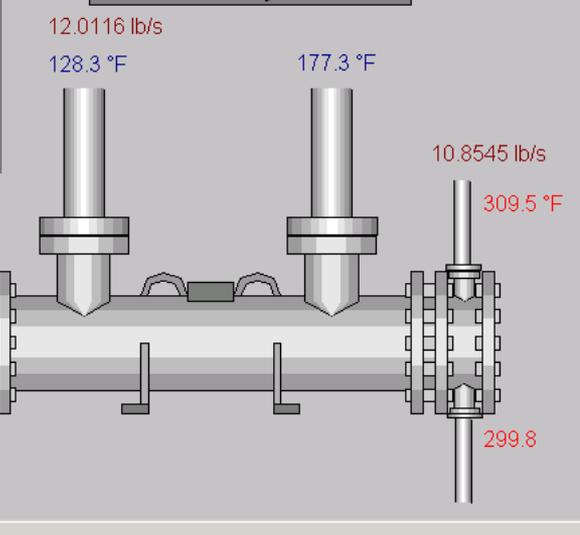
Filter

Name	Desc
Heat Exchanger-210	
Heat Exchanger-216	
Heat Exchanger-217	
Heat Exchanger-218	
Heat Exchanger-219	
Heat Exchanger-220	
Heat Exchanger-221	
Heat Exchanger-222	
Heat Exchanger-223	
Heat Exchanger-224	
Heat Exchanger-301	
Heat Exchanger-302	
Heat Exchanger-303	
Heat Exchanger-304	



Design Heat Transfer Coefficient
305.7 Btu/h/ft²/F

Actual Heat Transfer Coefficient
9.4 Btu/h/ft²/F





Expansion dans toutes les raffineries

-  Siège social
-  Raffinerie
-  Usine pétrochimique
-  Extraction de pétrole
-  Oléoduc

- ### Event Frames
- Pump-101 Downtime - 2012.4.18.1
 - Pump-101 Downtime - 2012.4.19.3
 - Pump-101 Downtime - 2012.4.18.5
 - Pump-101 Down Time - 2012.4.17.6
 - Pump-101 Downtime - 2012.4.19.8
 - Pump-101 Down Time - 2012.4.16.9
 - Pump-101 Downtime - 2012.4.18.9
 - Pump-101 Downtime - 2012.4.17.11
 - Pump-101 Downtime - 2012.4.18.14
 - Pump-101 Downtime - 2012.4.17.16
 - Pump-101 Downtime - 2012.4.18.18
 - Pump-101 Downtime - 2012.4.17.20
 - Pump-101 Downtime - 2012.4.18.23
 - Pump-101 Runtime - 2012.4.18.1
 - Pump-101 Runtime - 2012.4.19.3
 - Pump-101 Runtime - 2012.4.18.5
 - Pump-101 Runtime - 2012.4.19.7
 - Pump-101 Run Time - 2012.4.16.22
 - Pump-101 Run Time - 2012.4.16.8
 - Pump-101 Run Time - 2012.4.17.2
 - Pump-101 Run Time - 2012.4.17.7
 - Pump-101 Runtime - 2012.4.18.9
 - Pump-101 Runtime - 2012.4.17.11
 - Pump-101 Runtime - 2012.4.19.12
 - Pump-101 Runtime - 2012.4.18.14
 - Pump-101 Runtime - 2012.4.17.16
 - Pump-101 Runtime - 2012.4.18.18
 - Pump-101 Runtime - 2012.4.17.20
 - Pump-101 Runtime - 2012.4.18.22
 - Pump-201 Downtime - 2012.4.19.8
 - Pump-201 Runtime - 2012.4.19.8

- Elements
- Event Frames**
- Library
- Unit of Measure

Event Frame Search

Event Frame Search 1

Group by: Category Template

Name	Description	Category	Template
Pump-101 ...	2.17:44:54.94...		Pump Run Time
Pump-101 ...	4/16/2012 8:4...	4/16/2012 9:4...	Pump Down Time
Pump-101 ...	4/16/2012 9:4...	4/16/2012 10:...	Pump Run Time
Pump-101 ...	4/16/2012 10:...	4/17/2012 2:1...	Pump Down Time
Pump-101 ...	4/17/2012 2:1...	4/17/2012 2:4...	Pump Run Time
Pump-101 ...	4/17/2012 2:4...	4/17/2012 6:4...	Pump Down Time
Pump-101 ...	4/17/2012 6:4...	4/17/2012 7:0...	Pump Run Time
Pump-101 ...	4/17/2012 7:0...	4/17/2012 11:...	Pump Down Time
Pump-101 ...	4/17/2012 11:...	4/17/2012 11:...	Pump Run Time
Pump-101 ...	4/17/2012 11:...	4/17/2012 3:4...	Pump Down Time
Pump-101 ...	4/17/2012 3:4...	4/17/2012 4:0...	Pump Run Time
Pump-101 ...	4/17/2012 4:0...	4/17/2012 8:0...	Pump Down Time
Pump-101 ...	4/17/2012 8:0...	4/17/2012 8:3...	Pump Run Time
Pump-101 ...	4/18/2012 12:...	4/18/2012 1:0...	Pump Down Time
Pump-101 ...	4/18/2012 1:0...	4/18/2012 5:0...	Pump Run Time
Pump-101 ...	4/18/2012 5:0...	4/18/2012 5:2...	Pump Down Time
Pump-101 ...	4/18/2012 5:2...	4/18/2012 9:3...	Pump Run Time
Pump-101 ...	4/18/2012 9:3...	4/18/2012 9:5...	Pump Down Time
Pump-101 ...	4/18/2012 9:5...	4/18/2012 2:0...	Pump Run Time
Pump-101 ...	4/18/2012 2:0...	4/18/2012 2:2...	Pump Down Time
Pump-101 ...	4/18/2012 2:2...	4/18/2012 6:2...	Pump Run Time
Pump-101 ...	4/18/2012 6:2...	4/18/2012 6:5...	Pump Down Time

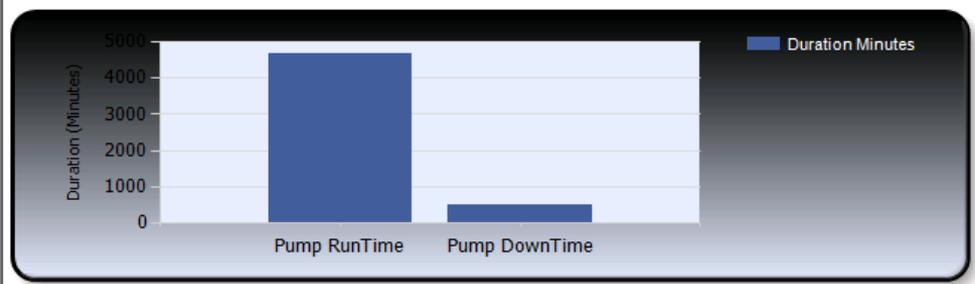
Petrolux Pump Report

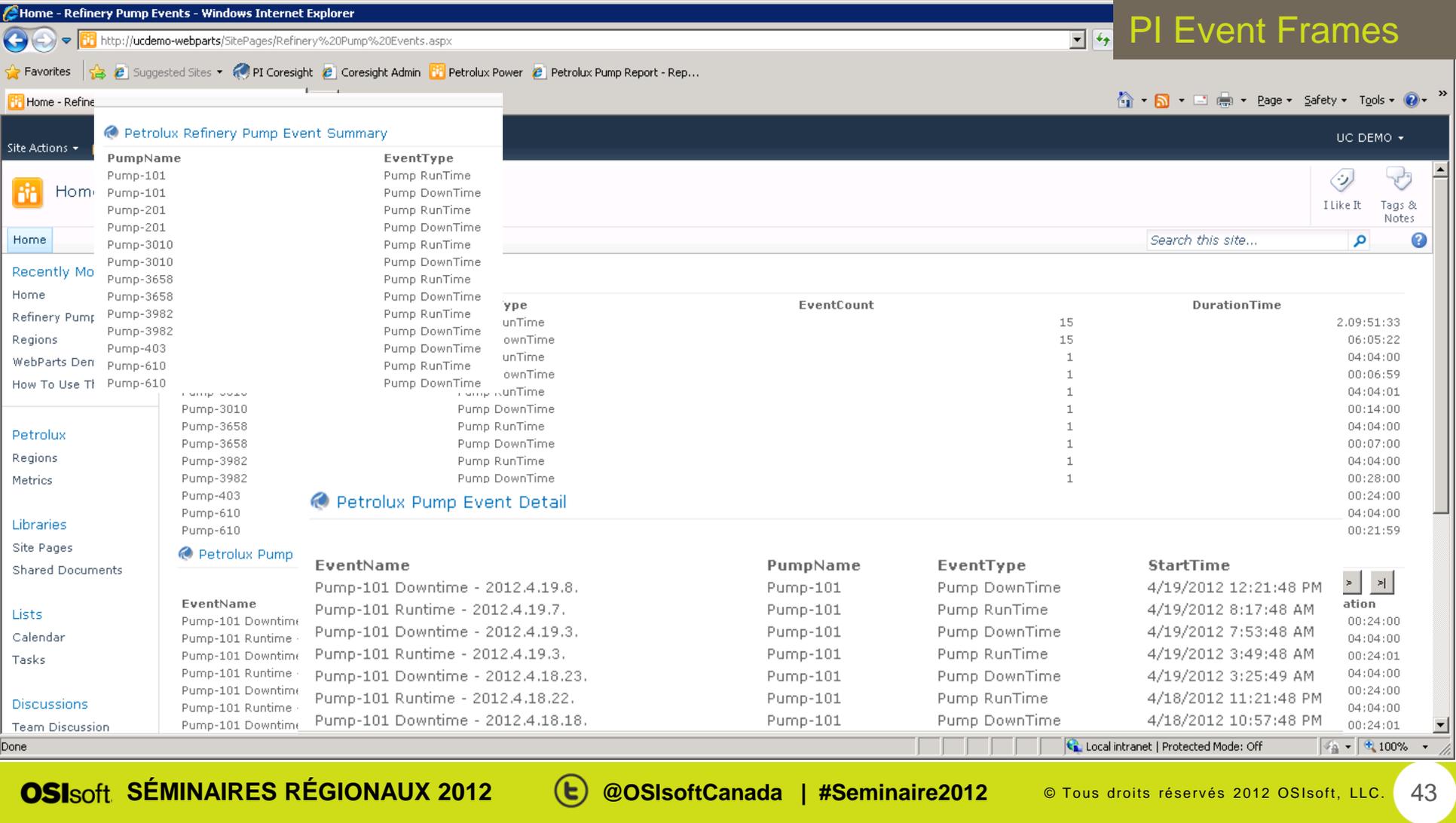
Report Name: Petrolux Pump Report Report Execution Time: 4/21/2012 3:47:55 PM

Report Author: SCALE\ucdemo

Total Event Duration by Unit

Event Type	Total Event Duration	In Minutes	Event Count	Expected Duration
Pump DownTime	07:47:20	467	22	
Pump RunTime	3.06:11:34	4692	20	1051200





PumpName	EventType	EventCount	DurationTime
Pump-101	Pump RunTime		
Pump-101	Pump DownTime		
Pump-201	Pump RunTime		
Pump-201	Pump DownTime		
Pump-3010	Pump RunTime		
Pump-3010	Pump DownTime		
Pump-3658	Pump RunTime		
Pump-3658	Pump DownTime		
Pump-3982	Pump RunTime		
Pump-3982	Pump DownTime		
Pump-403	Pump DownTime		
Pump-610	Pump RunTime		
Pump-610	Pump DownTime		
Pump-3010	Pump RunTime	1	04:04:01
Pump-3010	Pump DownTime	1	00:14:00
Pump-3658	Pump RunTime	1	04:04:00
Pump-3658	Pump DownTime	1	00:07:00
Pump-3982	Pump RunTime	1	04:04:00
Pump-3982	Pump DownTime	1	00:28:00
Pump-403	Pump RunTime	1	00:24:00
Pump-610	Pump DownTime	1	04:04:00
Pump-610	Pump DownTime	1	00:21:59

EventName	PumpName	EventType	StartTime
Pump-101 Downtime - 2012.4.19.8.	Pump-101	Pump DownTime	4/19/2012 12:21:48 PM
Pump-101 Runtime - 2012.4.19.7.	Pump-101	Pump RunTime	4/19/2012 8:17:48 AM
Pump-101 Downtime - 2012.4.19.3.	Pump-101	Pump DownTime	4/19/2012 7:53:48 AM
Pump-101 Runtime - 2012.4.19.3.	Pump-101	Pump RunTime	4/19/2012 3:49:48 AM
Pump-101 Downtime - 2012.4.18.23.	Pump-101	Pump DownTime	4/19/2012 3:25:49 AM
Pump-101 Runtime - 2012.4.18.22.	Pump-101	Pump RunTime	4/18/2012 11:21:48 PM
Pump-101 Downtime - 2012.4.18.18.	Pump-101	Pump DownTime	4/18/2012 10:57:48 PM

File View Go Tools Help

Database Query Date Back Check In Refresh

Notifications

New X | | | | |

Pump DownTime Notification

Pump DownTime Notification

Overview Trigger Message Subscriptions History

Target: \\SCALAB02\Petrolux\Baton Rouge Refinery\Alkylation\Pump-101

Conditions

New Condition X | | |

Rule	Configuration	Time True	Result ...	Priority
Comparison	Status = 0	0	Outside...	AboveN...

Notifications

New [X] [] [] [] []

Pump DownTime Notification

- Elements
- Event Frames
- Library
- Unit of Measure
- MyPI
- Notifications**
- Contacts

Pump DownTime Notification

Overview Trigger **Message** Subscriptions History

Delivery Formats

Name	Delivery Channel	
Down Time Format	Email	<default>
Global Default Email	Email	

Design HTML Preview Plain Text Preview

Subject

Pump Name:Value is currently down on the Alkylation unit at the Baton Rouge Refinery

Attachments

Body

Pump Name:Value is down!

Details	
Start time	Notification:Trigger Time
Location	Baton Rouge Refinery
Unit	Alkylation
Status	Status:Value
Pump Downtime During Last Shift %:Name	Pump Downtime During Last Shift %:Value

Content

Add [] [X]

- Standard Content**
 - Notification
 - Target
 - Database
 - System
 - Acknowledge
 - Acknowledge With Comment
- Trigger Input**
 - Triggering Condition
 - Status
- Target Attribute (Pump-101)**
 - a0
 - a1
 - a2
 - CL
 - Cost per Hour
 - Discharge Pressure
 - Electricity Cost Factor
 - Flow Rate
 - Impeler Size
 - LCL
 - Liquid Gravity
 - Minimum Efficiency
 - Model Number
 - Pump Curve Head
 - Pump Downtime During Last Shift %
 - Pump Efficiency
 - Pump Head Efficiency

Message



Junk



Delete



Reply

Reply
all

Forward

Instant
messageAdd to
calendarMove
toCopy
to

Flag



Watch



Copy



Find text



Encoding



Previous



Next

Delete

Respond

Actions

Navigate

Pump-101 is currently down on the Alkylation unit at the Baton Rouge Refinery

ucdemo@osisoft.com (ucdemo@osisoft.com) [Add contact](#)

To: ucdemo@ucdemo.com;

Pump-101 is currently down on the Alkylation unit at the Baton Rouge Refinery 10 PM

This message is Low Priority.

Pump-101 is down!

Details

Start time	12:10:07 PM on 4/20/12
Location	Baton Rouge Refinery
Unit	Alkylation
Status	1
Pump Downtime During Last Shift %	0.345555649863349

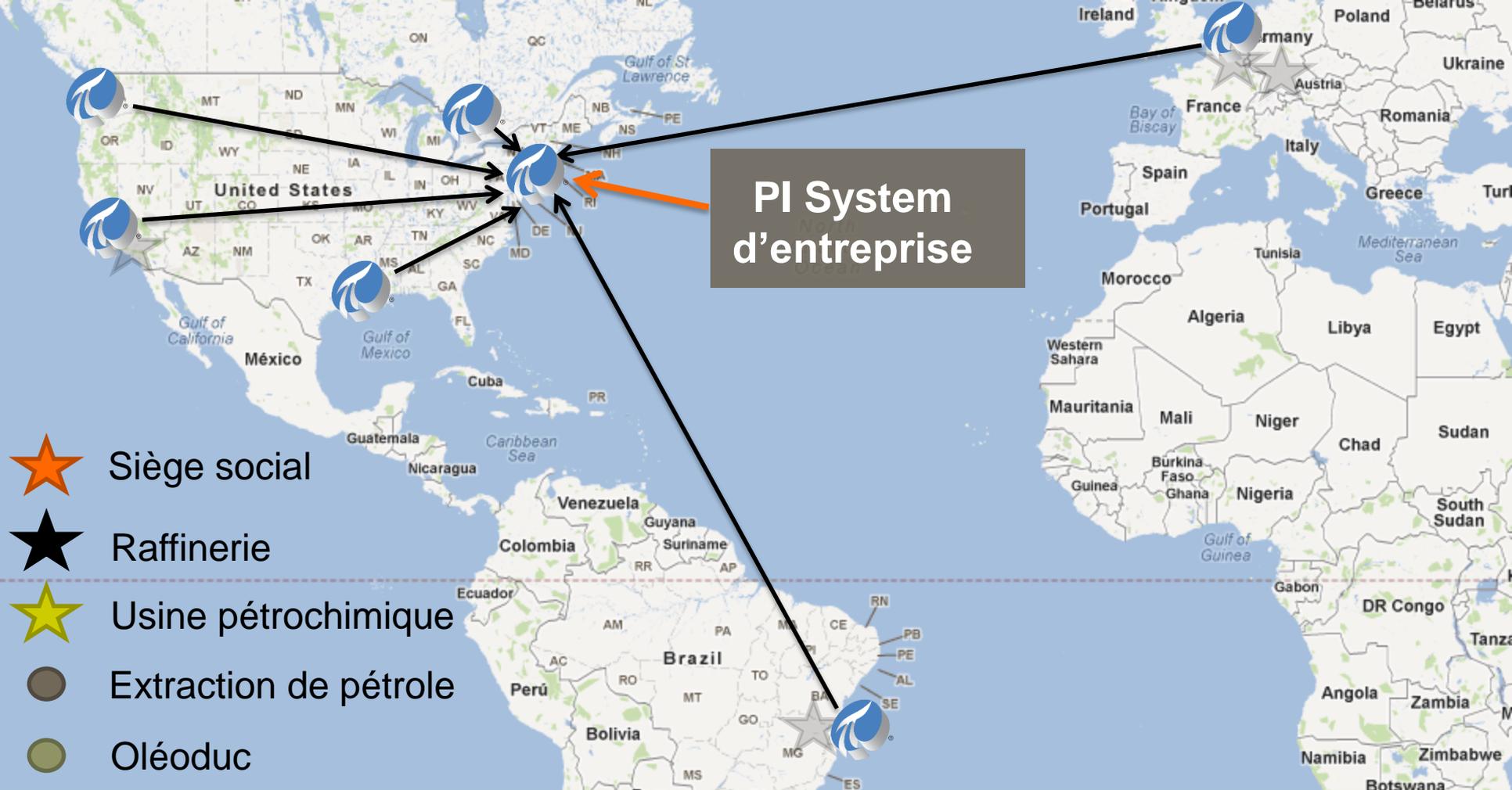
For more details, please see the [PI Coresight Pump-101 Details](#) page. Please [Acknowledge](#) this notification response team.

Search in Alkylation

- Operating State
- Operating State Integer
- Power Draw
- Power Draw Maximum
- Power Draw Minimum
- Power Draw Std
- Pump-110
- Pump-210
- Pump-3019

Related Assets (144)





**PI System
d'entreprise**

-  Siège social
-  Raffinerie
-  Usine pétrochimique
-  Extraction de pétrole
-  Oléoduc

Elements

- Elements
 - [-] Anacortes Refinery
 - [-] Baton Rouge Refinery
 - [-] E&P
 - [-] Gas
 - [-] Martinez Refinery
 - [-] Petrochemicals
 - [-] Petrolux Corporation
 - [-] PI System Server
 - [-] Refining
 - [-] Rotterdam Refinery
 - [-] Sao Paulo Refinery
 - [-] Samia Refinery

Elements

Search

	Name	Description	Category	Type	Template	Asset Down
+	Anacortes ...		Refining	None	Refinery	1.9506482018...
+	Baton Rou...		Refining	None	Refinery	0.8646398414...
+	E&P		Division	None	Division	
+	Gas		Division	None	Division	
+	Martinez R...		Refining	None	Refinery	2.7554177649...
+	Petrochem...		Division	None	Division	
+	Petrolux C...		Company	None	Company	
	PI System ...		PI System	None	PI System Server	
+	Refining		Division	None	Division	
+	Rotterdam ...		Refining	None	Refinery	1.6428950274...
+	Sao Paulo ...		Refining	None	Refinery	2.1608639469...
+	Samia Refi...		Refining	None	Refinery	2.0241038004...

Regions

Metrics

Libraries

Site Pages

Shared Documents

Lists

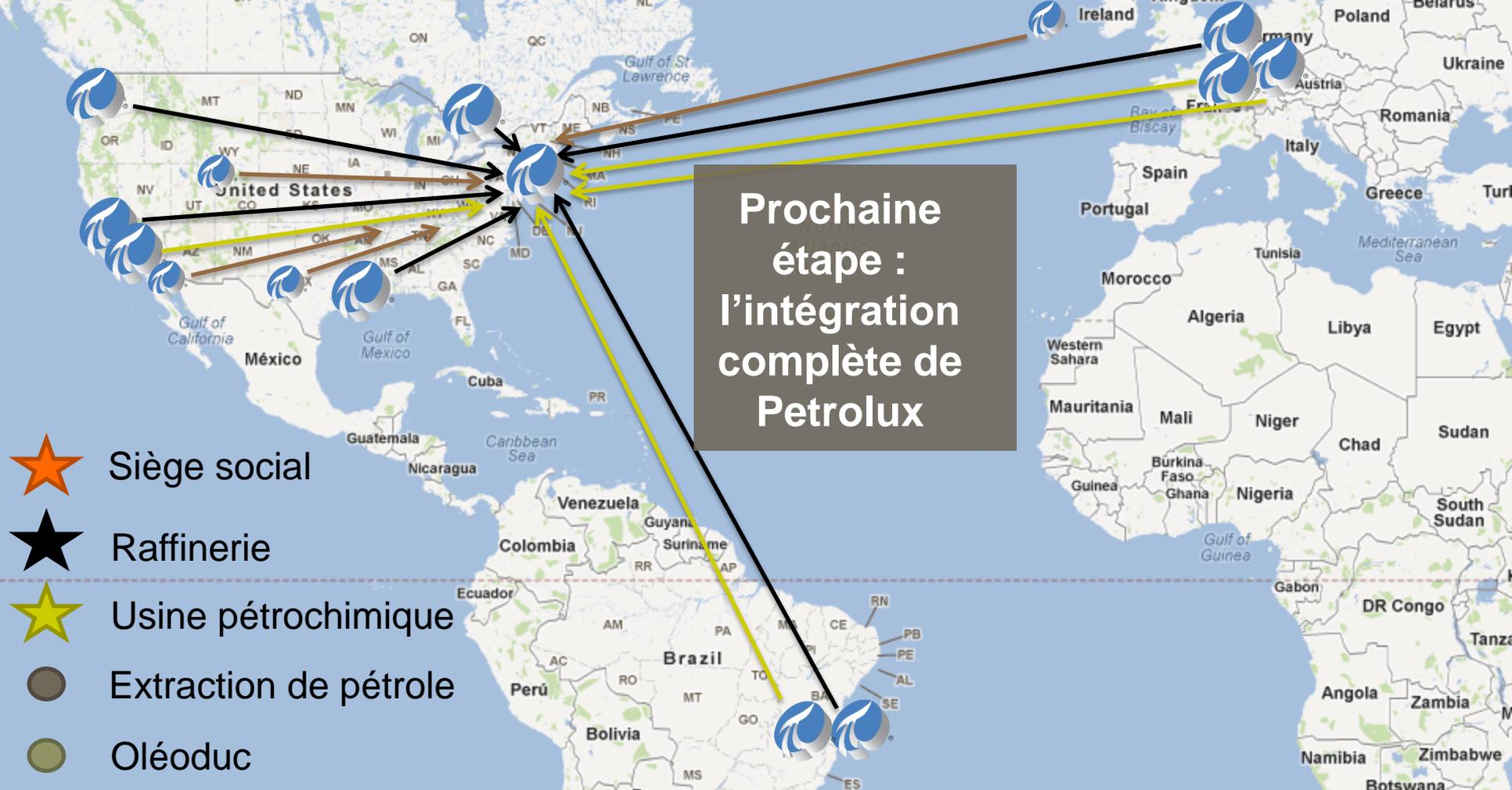
Calendar

Tasks

Petrolux

Metrics

 Refinery	Power Usage KPI	Power Draw Std	Power Draw Minimum	Power Draw Maximum	Power Draw	Availability	Asset Running
Sarnia Refinery	8.0407	13.736	2837.5	3341.9	3076.8	184.52	93.525
Sao Paulo Refinery	6.4535	10.112	2717.8	3158.1	2951.1	183.72	93.183
Rotterdam Refinery	8.655	11.967	2834.5	3293	3075.1	183.42	92.902
Martinez Refinery	8.5241	10.221	3008.5	3410.3	3193.5	182.09	92.879
Baton Rouge Refinery	4.0762	8.5166	2675	3034.9	2860.1	184.63	92.759
Anacortes Refinery	6.4596	5.2272	1883.3	2101.7	2007	183.25	92.406



-  Siège social
-  Raffinerie
-  Usine pétrochimique
-  Extraction de pétrole
-  Oléoduc



Plan de développement

Vecteur - Plan de développement



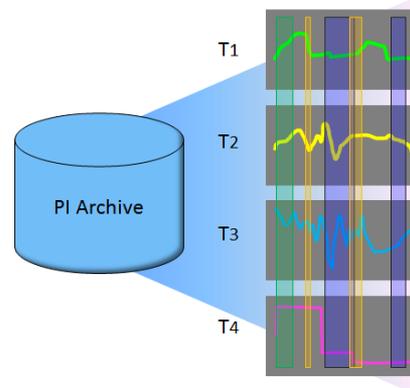
PI Server

Infrastructure efficace et simple à utiliser



Intégration des actifs

Accès aux données à partir des actifs



Event Frames

Identification et utilisation des événements



Mobilité/ Infonuagique

Accès facile à l'information

53



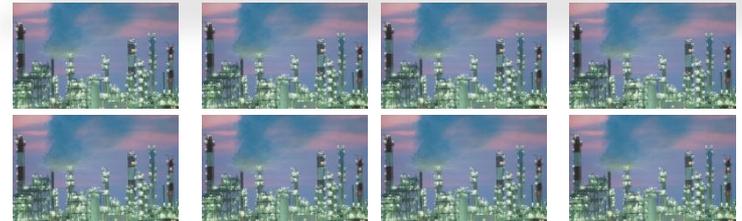
2010 R3

■	Nombre de points	2M+ points
■	Valeurs entrantes	<100k év/s
■	Valeurs lues	<1M év/s
■	Archives en ligne	<10k fichiers
■	Mise à jour temps réel	200k <i>signups</i>
■	Modification de points	<10 pt/sec
■	Temps démarrage	>20 minutes



2012

■	Nombre de points	20M+ points
■	Valeurs entrantes	1M év/s
■	Valeurs lues	>10M év/s
■	Archives en ligne	>50k fichiers
■	Mise à jour temps réel	10M+ <i>signups</i>
■	Modification de points	2,000 pt/sec
■	Temps démarrage	<10 minutes





2012

■	Nombre de points	20M+ points
■	Valeurs entrantes	1M év/s
■	Valeurs lues	>10M év/s
■	Archives en ligne	>50K fichiers
■	Mise à jour temps réel	10M+ <i>signups</i>
■	Modification de points	2,000 pt/sec
■	Temps démarrage	<10 minutes



2012

■	Points	5M points
■	Entrantes	500K év/s
■	Lues	5M év/s
■	Archives	>10K fichiers
■	Mise à jour	>3M <i>signups</i>
■	Mod. de points	>500 pt/sec
■	Démarrage	<2 minutes



2012

■	Points	10K+ points
■	Entrantes	>40K év/s
■	Lues	>100K év/s
■	Archives	>1K fichiers
■	Mise à jour	>5K <i>signups</i>
■	Modif.	>50 pt/sec
■	Démarrage	<1 minutes



Le PI Server 2012 est plus performant



Copy of PumpExample\pump\sql\src - Microsoft Excel

1	2	3	4	5	6
A	B	C	D	E	F
1	Select (*) Tag	archiving	changedate	changer	compdev
2	x	1-13.Net Volume	1	18-Apr-12 19:13:45 OSI/hall	39.80441
3	x	1-14.Net Volume	1	18-Apr-12 19:13:45 OSI/hall	32.31394
4	x	1-15.Net Volume	1	18-Apr-12 19:13:45 OSI/hall	25.82005
5	x	1-16.Net Volume	1	18-Apr-12 19:13:45 OSI/hall	11.70848
6	x	1-7.Net Volume	1	18-Apr-12 19:13:46 OSI/hall	34.50598
7	x	1-768.Net Volume	1	18-Apr-12 19:13:46 OSI/hall	35.79502
8	x	1-8.Net Volume	1	18-Apr-12 19:13:46 OSI/hall	18.69019
9	x	1-900.Net Volume	1	18-Apr-12 19:13:46 OSI/hall	54.50017
10	x	1-801.Net Volume	1	18-Apr-12 19:13:46 OSI/hall	20.86365
11	x	10-35.Net Volume	1	18-Apr-12 19:13:45 OSI/hall	21.50837

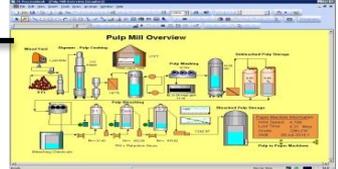
SQL Query - In: OSI/hall (22)

```
select id, name, lqpd, rtd from AFEElement
```

#	id	name	lqpd	rtd
1	A3EAD3AA-8035-4371-8F8A-A18E7F55022	PI System Server	2012-04-17 23:24:13.067	-4656
2	43D162CA-7E49-4262-81A3-C94584F92626	Pump-626	2012-04-17 23:24:13.067	-4656
3	A1818F87-848A-484E-820C-9818F4F42056	Pump-496	2012-04-17 23:24:13.067	-4654
4	E484059-88F7-42AA-19A3-9E5E5F3AC2	Pump-398	2012-04-17 23:24:13.067	-4663
5	1970518-BCAA-4678-978A-8E42477099A	Pump-3074	2012-04-17 23:24:13.067	-4662
6	1C3684E-6146-489E-423A-8387634679C	Pump-3350	2012-04-17 23:24:13.067	-4661
7	F858FC9-212F-48E8-808A-45AC38C3333	Pump-3025	2012-04-17 23:24:13.067	-4660
8	1C54F79C-94E1-486C-8A8D-0A8032C74765	Pump-245	2012-04-17 23:24:13.067	-4659
9	531FC802-6A19-4288-4A4D-920287C33848	Pump-117	2012-04-17 23:24:13.067	-4658
10	F516C785-6074-478C-8A2A-4817996D0839	Heat Exchanger-100	2012-04-17 23:24:13.067	-4657
11	17C18074-86E7-4471-811A-0278702506A	Heat Exchanger-119	2012-04-17 23:24:13.067	-4656
12	F467F-465-6316-4514-1F8738181A-30174A81	Heat Exchanger-118	2012-04-17 23:24:13.067	-4654



PI Coresight



PI ProcessBook

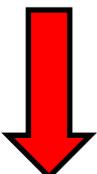
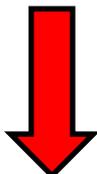


PI WebParts

Book1 - Microsoft Excel

A1	B	C	D	E
1				
2				
3				
4				
5				
6				

PI DataLink



PI Interface

PI Server



REPOPULATION



*Données historiques
provenant
d'un système tiers*

Archive File	Status	Start Time	End Time
C:\Program Files\PI\dat\piarch.001	Primary	4/21/2012 7:30:52 AM	Current Time
C:\Program Files\PI\dat\piarch.002	Has Data	4/19/2012 12:47:44 PM	4/21/2012 7:30:52 AM
C:\Program Files\PI\dat\piarch.003	Has Data	4/18/2012 3:51:16 AM	4/19/2012 12:47:44 PM

Repopulation - Avant

1	Select (x)	Tag	archiving	changedate	changer	compdev	cont
2	x	1-13-Net Volume	1	16-Apr-12 13:13:45 OS/Full		59.80441	
3	x	1-14-Net Volume	1	16-Apr-12 13:13:45 OS/Full		12.31336	
4	x	1-15-Net Volume	1	16-Apr-12 13:13:45 OS/Full		29.82005	
5	x	1-16-Net Volume	1	16-Apr-12 13:13:45 OS/Full		11.70848	
6	x	1-7-Net Volume	1	16-Apr-12 13:13:46 OS/Full		14.10058	
7	x	1-796-Net Volume	1	16-Apr-12 13:13:46 OS/Full		35.79502	
8	x	1-8-Net Volume	1	16-Apr-12 13:13:46 OS/Full		18.88019	
9	x	1-800-Net Volume	1	16-Apr-12 13:13:46 OS/Full		54.50037	
10	x	1-801-Net Volume	1	16-Apr-12 13:13:46 OS/Full		20.86865	
11	x	10-35-Net Volume	1	16-Apr-12 13:13:45 OS/Full		21.56817	

```

EXTERNAL
N10G90G10L2P0X0Y0Z0B0

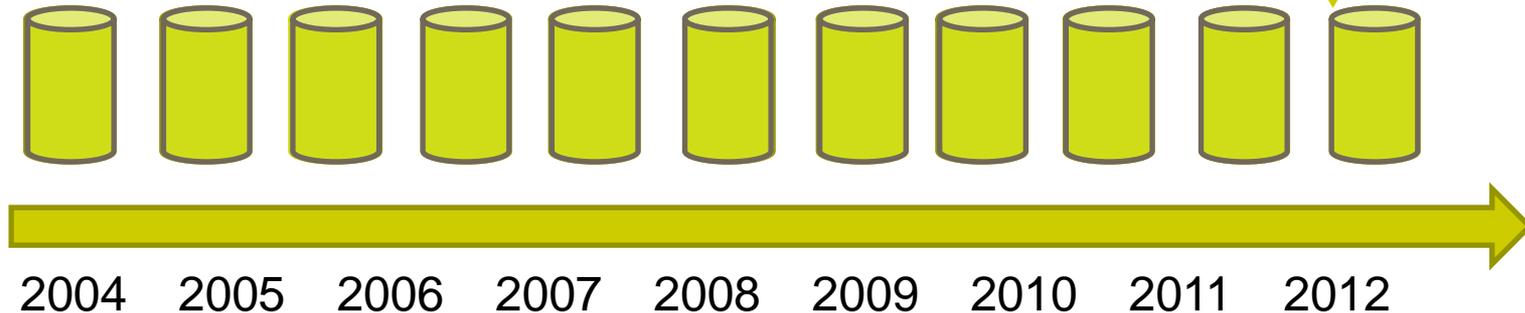
(B0) (EXTERNAL)
N20G9N10G90G10L2P0X0Y0Z0B0
(B50)
N30G9(B0) (EXTERNAL)
(B180) N20G9N10G90G10L2P0X0Y0Z0B0
N40G9(B90)
(B270) N80G9(B0)
N50G9(B180) N20G90G10L20P25X-19.685Y-30.371Z-37.4018E0
(B54) N40G9(B90)
N60G9(B270) N80G90G10L20P25X-24.409Y-30.371Z-42.1258E0
(B308) N50G9(B180)
N70G9(B54) N40G90G10L20P27X-19.685Y-30.371Z-46.8499E0
(B80) N60G9(B270)
N80G9(B308) N50G90G10L20P28X-14.961Y-30.371Z-42.1258E0
(B318) N70G9(B54)
N90G9(B80) N60G90G10L20P29X-23.5068Y-30.371Z-39.3492E0
N80G9(B308)
(B250) N70G90G10L20P30X-15.6632Y-30.371Z-39.3492E0
N90G9(B80)
N80G90G10L20P31X-24.3372Y-30.371Z-41.3056E0
(B260)
N90G90G10L20P32X-15.0328Y-30.371Z-41.3056E0
    
```

- ① - Création des points
- ② - Traitement des archives
- ③ - Repopulation

Points PI ①

Données

Aujourd'hui



Repopulation - 2012

- ① - Création des points
- ② - Repopulation

1	Select (x)	Tag	archiving	changedate	changer	compdev	cont
2	x	1-13.Net Volume	1	16-Apr-12 13:13:45 OS/Full		59.80441	
3	x	1-14.Net Volume	1	16-Apr-12 13:13:45 OS/Full		12.11196	
4	x	1-15.Net Volume	1	16-Apr-12 13:13:45 OS/Full		29.82005	
5	x	1-16.Net Volume	1	16-Apr-12 13:13:45 OS/Full		11.70848	
6	x	1-7.Net Volume	1	16-Apr-12 13:13:46 OS/Full		14.10058	
7	x	1-796.Net Volume	1	16-Apr-12 13:13:46 OS/Full		35.79502	
8	x	1-8.Net Volume	1	16-Apr-12 13:13:46 OS/Full		18.88019	
9	x	1-800.Net Volume	1	16-Apr-12 13:13:46 OS/Full		54.50037	
10	x	1-801.Net Volume	1	16-Apr-12 13:13:46 OS/Full		20.86865	
11	x	10-15.Net Volume	1	16-Apr-12 13:13:45 OS/Full		21.56817	

```

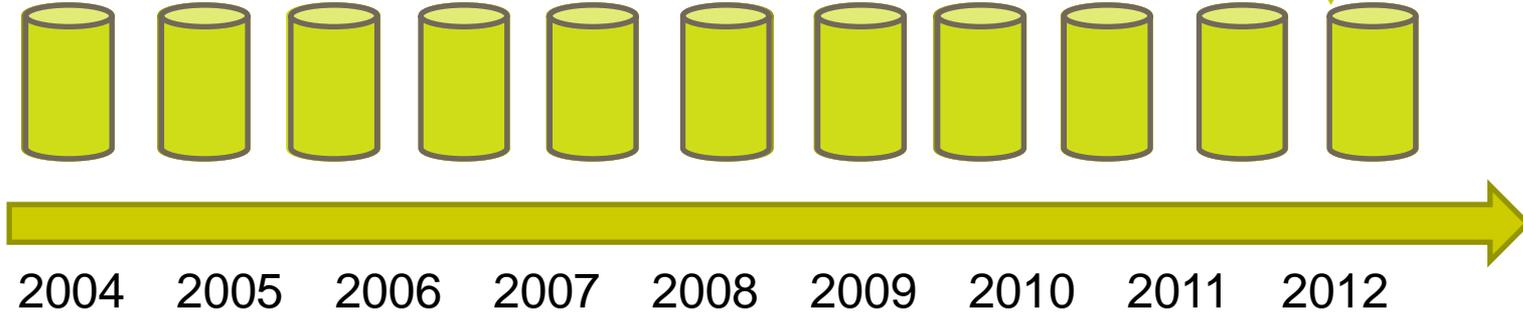
EXTERNAL
N10G90G10L2P0X0Y0Z0B0

(B0) EXTERNAL
N20G9N10G90G10L2P0X0Y0Z0B0
(B50)
N30G9(B0) EXTERNAL
(B180) N20G9N10G90G10L2P0X0Y0Z0B0
N40G9(B90)
(B270) N30G9(B0)
N50G9(B180) N20G90G10L20P25X-19.685Y-30.371Z-37.4018E0
(B54) N40G9(B90)
N60G9(B270) N50G90G10L20P26X-24.409Y-30.371Z-42.1259E0
(B508) N50G9(B180)
N60G9(B54) N40G90G10L20P27X-19.685Y-30.371Z-46.8499E0
N70G9(B270)
N80G9(B300) N50G90G10L20P28X-14.961Y-30.371Z-42.1259E0
N90G9(B54)
N100G9(B80) N60G90G10L20P29X-23.5068Y-30.371Z-39.3492E0
N110G9(B300)
N120G9(B250) N70G90G10L20P30X-15.8632Y-30.371Z-39.3492E0
N90G9(B80)
N30G90G10L20P31X-24.3372Y-30.371Z-41.3056E0
(B260)
N90G90G10L20P32X-15.0328Y-30.371Z-41.3056E0
    
```

Points PI ①

Données

Aujourd'hui



PI Server 2012

- Essayez-le maintenant!



PI Server 2012 RC0

Try it Now

PI Server 2012 Release Candidate 0 (RC0) is available - Windows Internet Explorer

http://techsupport.osisoft.com/Bulletins/5/4dcaeeaa-fe5b-4737-bf03-9a4516

Share Browser WebEx

Favorites OSIssoft Users Community http--partners.osisoft http--auth-pss.test

Tech Support Archive Repro... Home - Collat... PI Server 20... X

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Bulletin Center

PI Server 2012 Release Candidate 0 (RC0) is available

Apr-24-2012

We are pleased to announce the availability of PI Server 2012 Release Candidate 0 (RC0). We are inviting our customers and partners to test and evaluate the next major release of PI Server. The three major features of PI Server 2012 are:

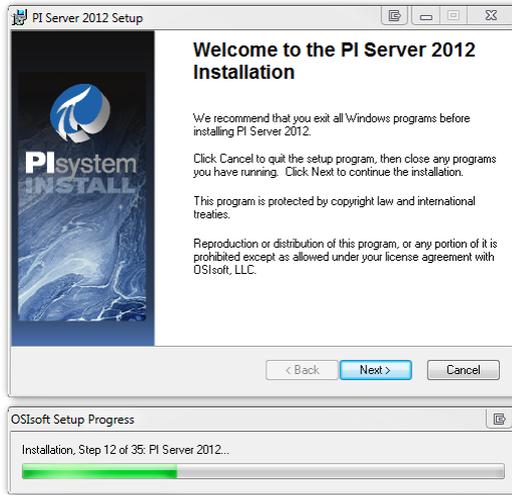
- Substantial performance and scalability enhancements
- New administration and manageability features
- Increases in reliability and resilience

Users are encouraged to report any issues or questions, or suggest minor features or enhancements to betapiserver@osisoft.com. The PI Server team looks forward to receiving your feedback.

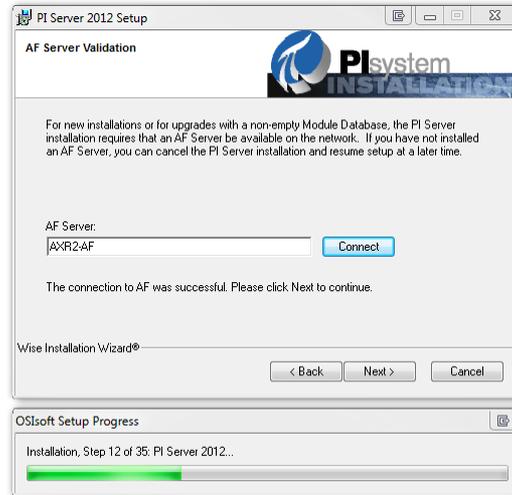
For a full list of system requirements, see the [Release Notes](#).
[Download PI Server 2012 RC0 Install Kit](#)



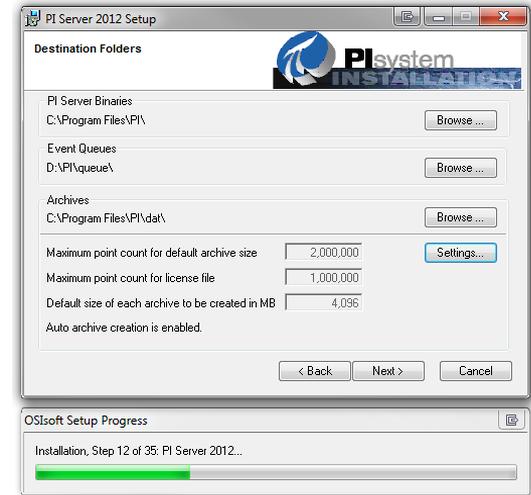
Installation - PI Server 2012



1



2



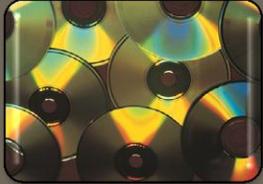
3

PI System 2012 – OSIsoft - NOC

- Network Operating Center
 - Surveillance de l'infrastructure de nos clients Entreprise
 - 890 PI System
 - 2 700 serveurs
 - 1,3 million de points PI
- Utilise le PI System 2012



Les livrables de l'Entente Entreprise



Logiciels

- Déploiement à l'échelle de l'entreprise
- Modèle de licences simplifié
- Modèle d'acquisition basé sur les actifs



Services techniques

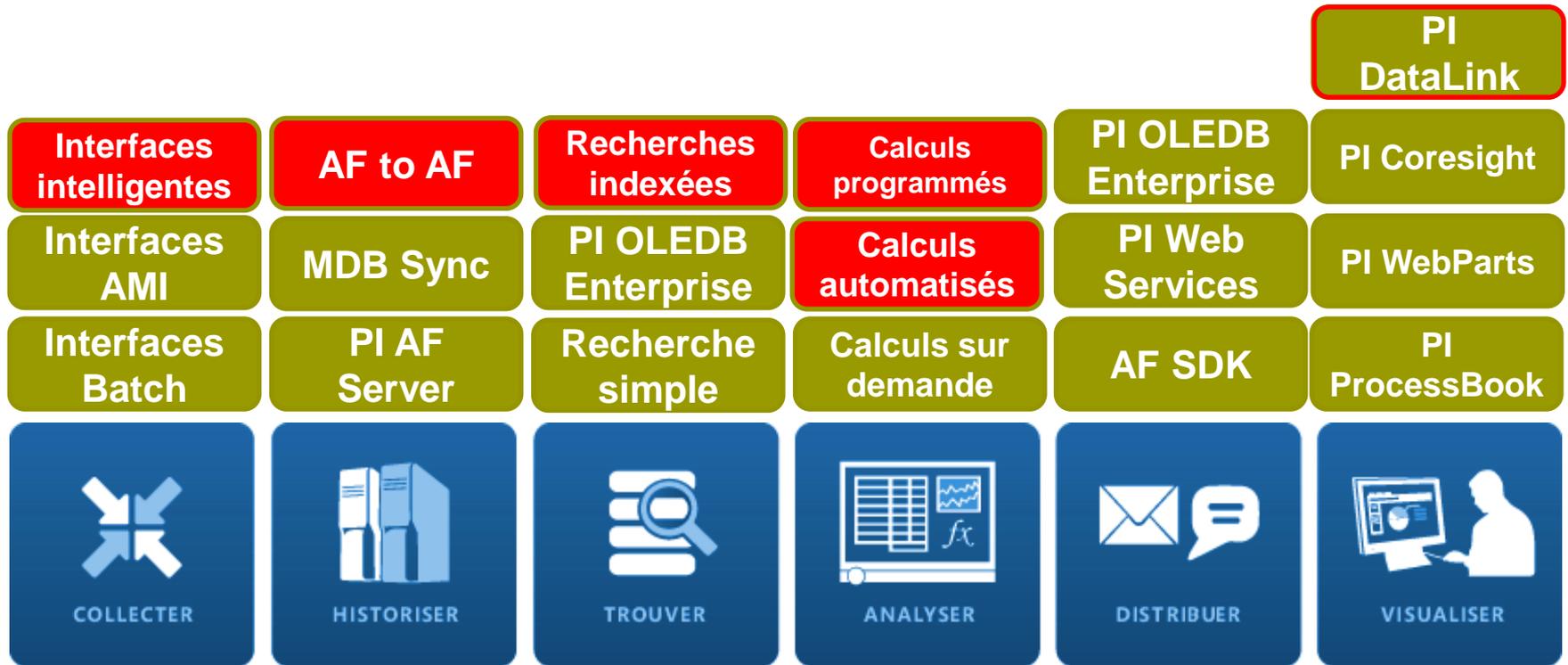
- EPM et Centre d'excellence
- Planification de l'architecture et du déploiement
- Services de déploiement



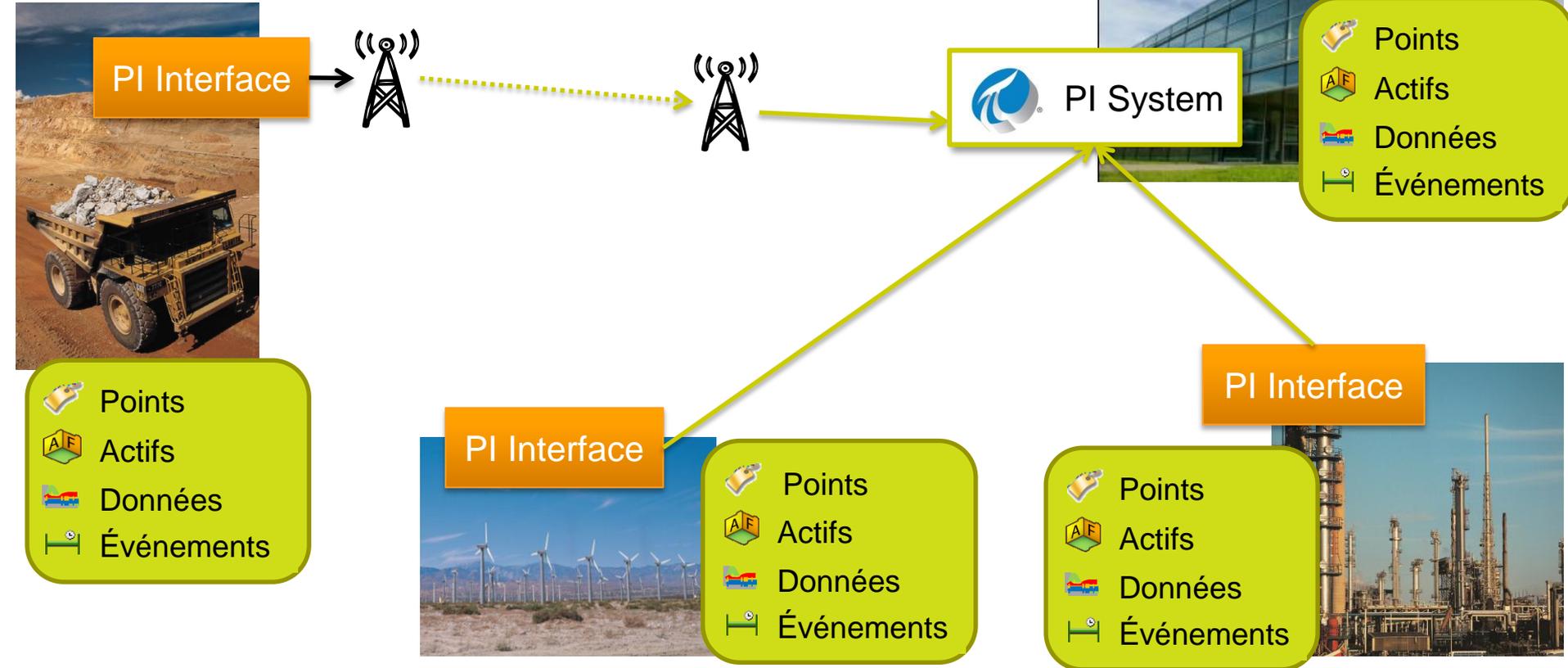
Soutien technique

- Surveillance à distance et notifications par le NOC
- Soutien technique, formation, OSIssoft vCampus

Intégration PI AF – Tableau de bord

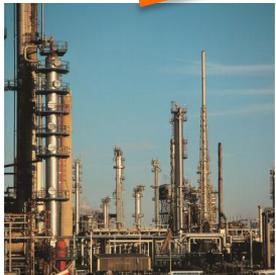


Interfaces intelligentes

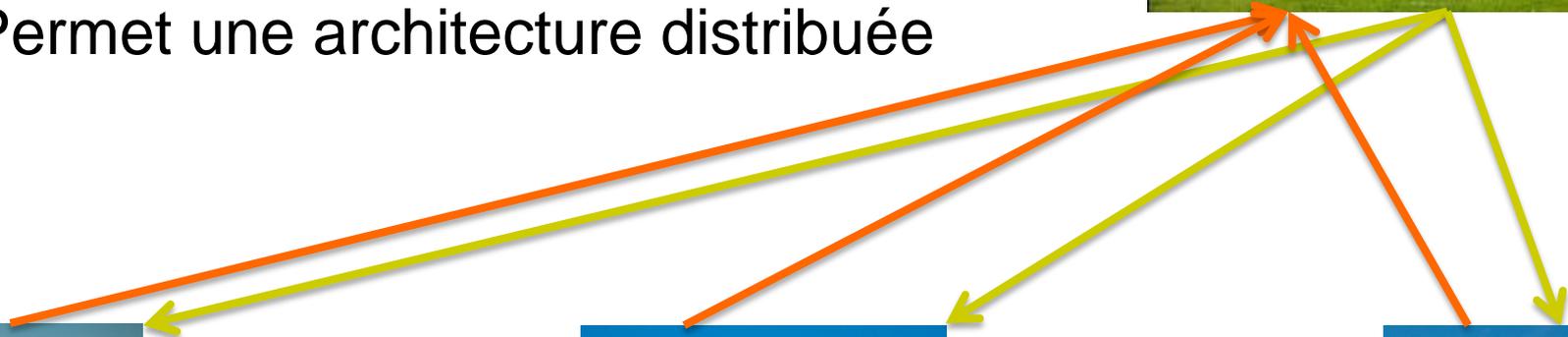


AF to AF

- Facilite l'adoption de normes d'entreprise
- Assure le support pour les analyses et la veille stratégique
- Permet une architecture distribuée



Siège social



« Big Data » = Recherches requises...



Visualisation

- Écrans, textes, rapports
- Points PI, éléments et attributs PI AF

Data Access

- Points utilisés les plus fréquemment
- Points/éléments/attributs reliés

Analyses

- Performance Equations / Totalizers / Alarms
- Calculs PI ACE / Notifications / Event Frames

Actifs

- Élément et attributs AF
- Gabarit d'élément

Serveur

- Points PI, propriétés des points, par valeur (> 75)

Interfaces

- Sources des données
- Données externes

PI System Search

- Moteur de recherche optimisé pour le PI System
- Index multiples pour une performance supérieure
- Recherche dans plusieurs PI System à la fois
- Recherche dans les outils clients :
 - Écran PI ProcessBook, écran PI Coresight

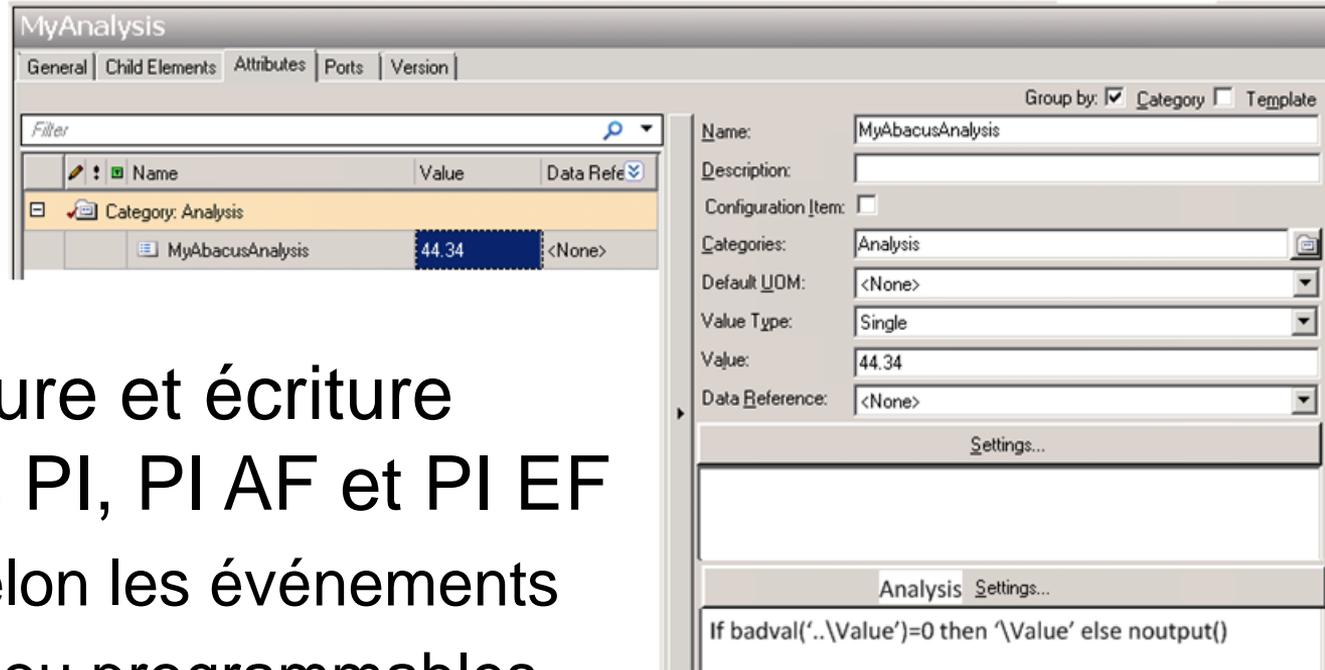


PI Data Access et PI AF



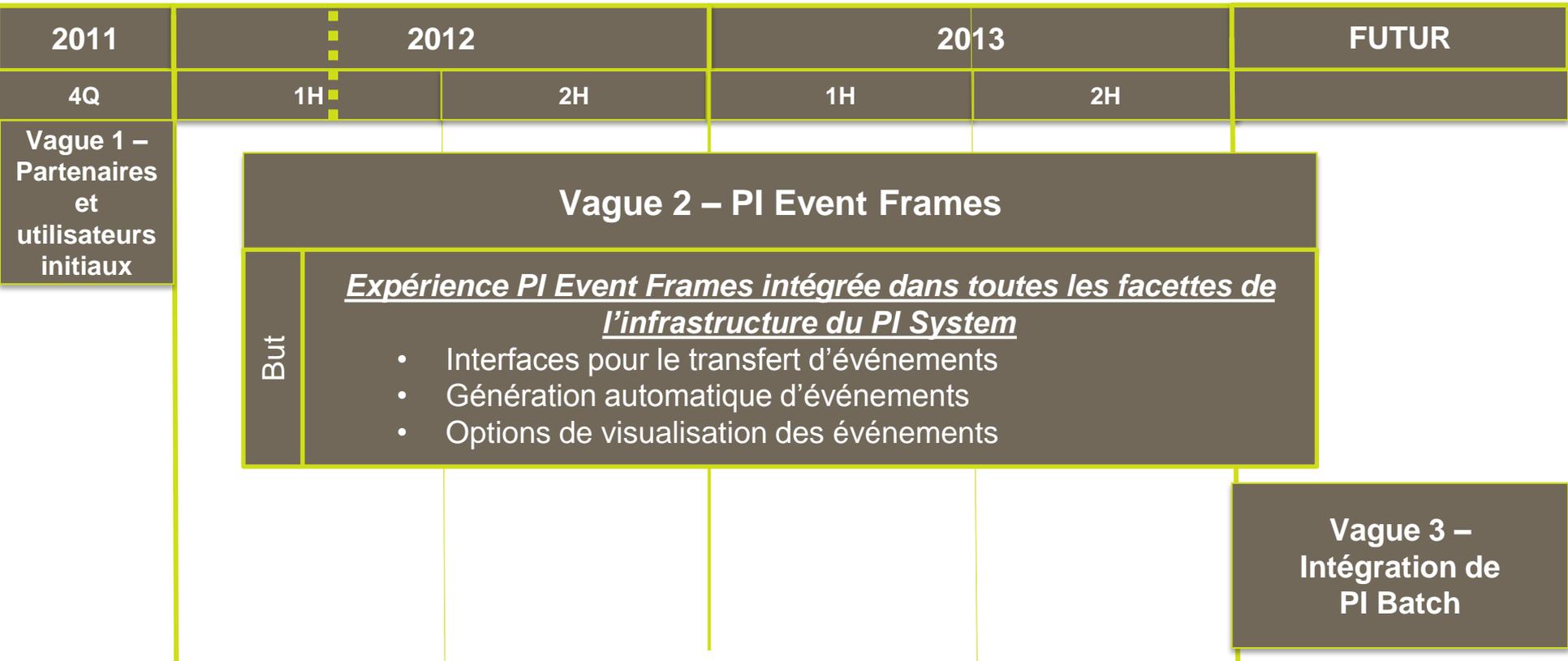
- Plus d'**actifs**, plus d'**événements**
 - Support de **PI Event Frames**
(PI OLEDB Enterprise, PI JDBC et PI Web Services)
 - **Recherche, navigation et écriture dans PI AF**
(PI Web Services)

Projet Abacus



- Calculs en lecture et écriture dans les points PI, PI AF et PI EF
 - Planifiés ou selon les événements
 - Configurables ou programmables

PI Event Frames



En savoir plus – PI System Roadmap



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Knowledge Center

TECHNICAL SUPPORT

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- Download Center
- Knowledge Center**
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Welcome to the Knowledge Cent that can help you troubleshoot a

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Bulletin Center
KB Articles
System Manager Resources
Known Issues
Enhancements
PI System Roadmap

PI System Roadmap

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Search

PI System Roadmap

Welcome Stephane | Sign Out

Hover your cursor over the icons to display project summaries. Click the icons for more detailed information.

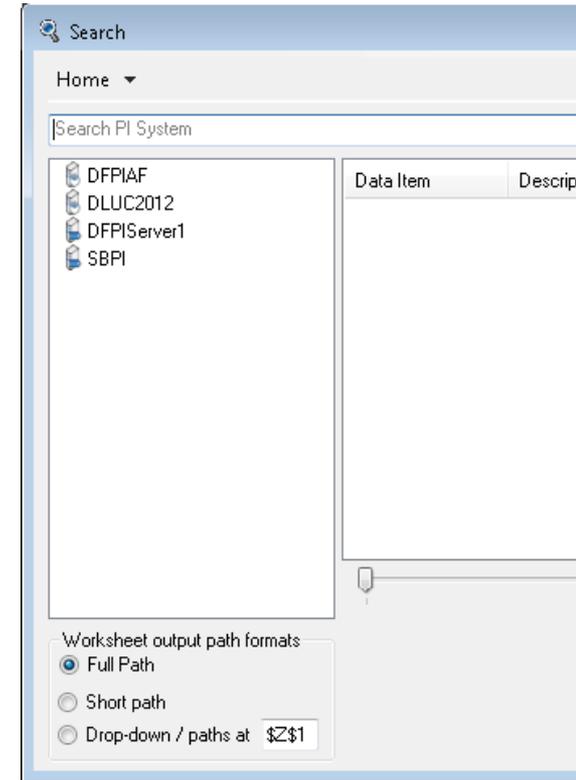
24-May-2012

Major release Minor release Service Pack

Featured Products	Q2 2011	Q3 2011	Q4 2011	Q1 2012	Q2 2012	Q3 2012	Q4 2012 - Q1 2013	Q2 2013 - Q3 2013
CLIENT View more	Q2 2011	Q3 2011	Q4 2011	Q1 2012	Q2 2012	Q3 2012	Q4 2012 - Q1 2013	Q2 2013 - Q3 2013
PI ProcessBook	✓				🌀	✓		
PI ActiveView		✓				🌀	✓	
PI DataLink	✓					🌀		
PI DataLink Server								🌀
PI Manual Logger		◆				◆	🌀	
PI WebParts							🌀	
PI Coresight			🌀		◆			
DATA ACCESS View more	Q2 2011	Q3 2011	Q4 2011	Q1 2012	Q2 2012	Q3 2012	Q4 2012 - Q1 2013	Q2 2013 - Q3 2013
PI JDBC				◆		🌀		
PI OLEDB				◆				
PI OLEDB Enterprise	◆			◆		🌀		

Plan de développement - Outils clients

- Intégration PI Event Frames
- Ajout de fonctionnalités d'interaction
 - Serveur d'écran PI ProcessBook
 - Interaction PI ProcessBook-PI Coresight
- Intégration « PI System Search »
- Support pour fonctionnalités d'entreprise
 - Windows 8, HTML5, virtualisation

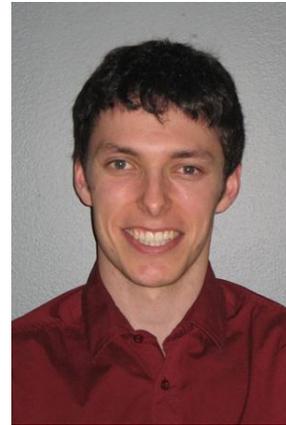


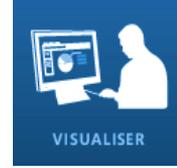
En savoir plus

- Présentation à 13 h 15

Gérer vos actifs avec PI AF, PI Coresight™, PI DataLink® et PI ProcessBook®

Par Louis Philippe Pagé-Morin



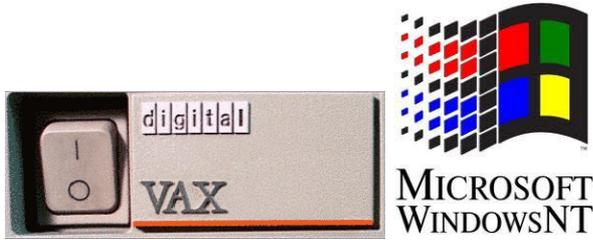


PI Manual Logger

- Client pour la saisie manuelle de données
- Plan de développement
 - Support multiplateforme
 - Écran Web de saisie de données (HTML5)
 - Support pour téléphones intelligents et tablettes
 - Intégration PI AF

The screenshot displays the 'PI Manual Logger - [Data Entry - Tour Séminaire]' application window. It features a menu bar with 'PIML', 'Tours', 'Mobile Devices', 'Tools', 'Window', and 'Help'. The main interface is divided into two panes. The left pane, titled 'Tour Run Info', contains several data entry fields: 'Tour Name' (filled with 'Tour Séminaire'), 'Tour Description' (filled with 'Un exemple de Tour pour le séminaire'), 'Workstation or Device ID' (filled with 'YUL-CRISPOUX'), 'User Name' (filled with 'piml'), and 'Tour Run Time Stamp'. A 'Lookup' button is positioned next to the 'User Name' field. The right pane, titled 'Data Entry Form', contains fields for 'Tag Name' (filled with 'BA:ACTIVE.1'), 'Tag Value', 'Value Comment', 'Tag Timestamp' (filled with '5/19/2009 9:00:00 AM'), and 'Operator Instructions'. The application is running on a Windows operating system, as indicated by the taskbar icons.

Évolution des systèmes d'exploitation



1980 1985 1990 1995 2000 2005 2010 2012 2015

Initiatives infonuagiques

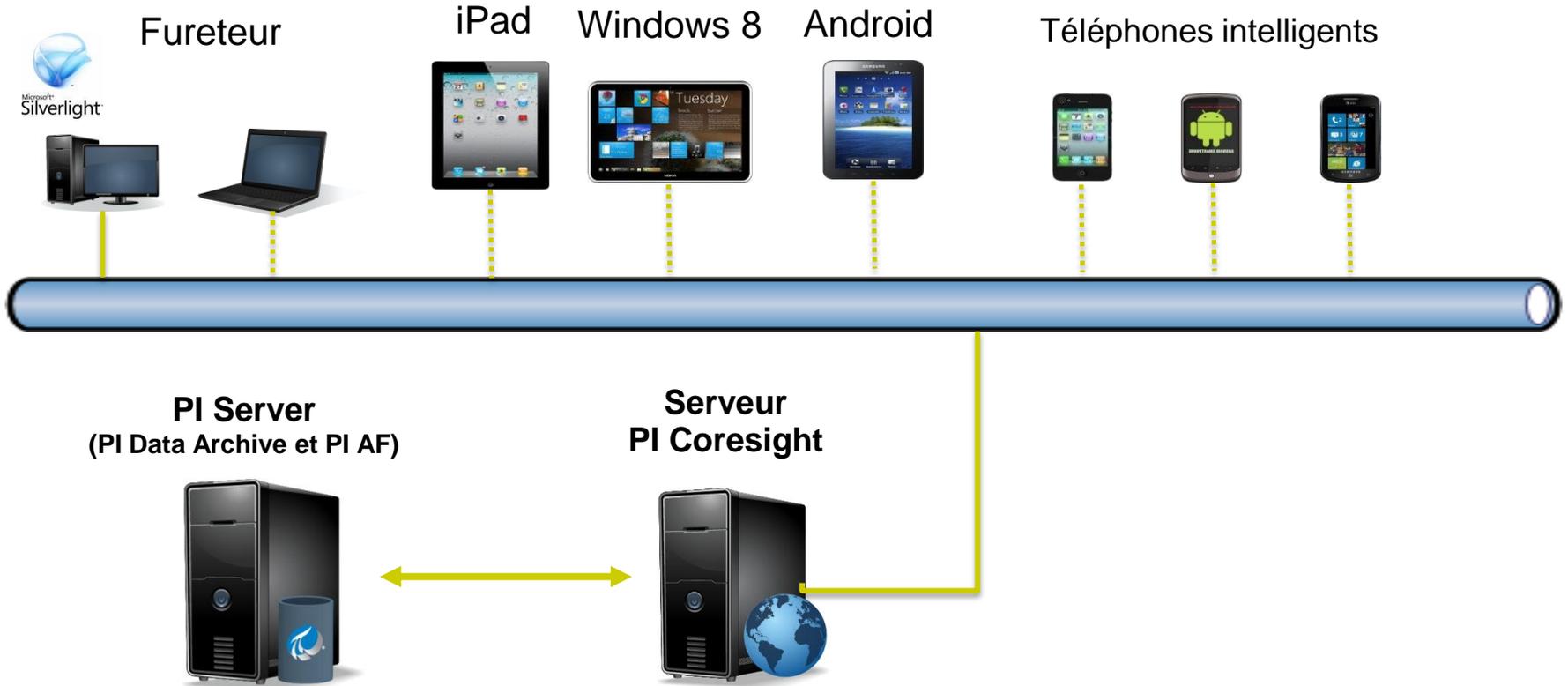
Ajout de fonctionnalités

- Gestion du PI System
- PI to PI
- Service PI Coresight
- Services pour applications de partenaires ou personnalisées

Déploiement complet

- Services d'infrastructure du PI System
- Ajout de nouvelles fonctionnalités
- Efficaces et flexibles

Mobilité



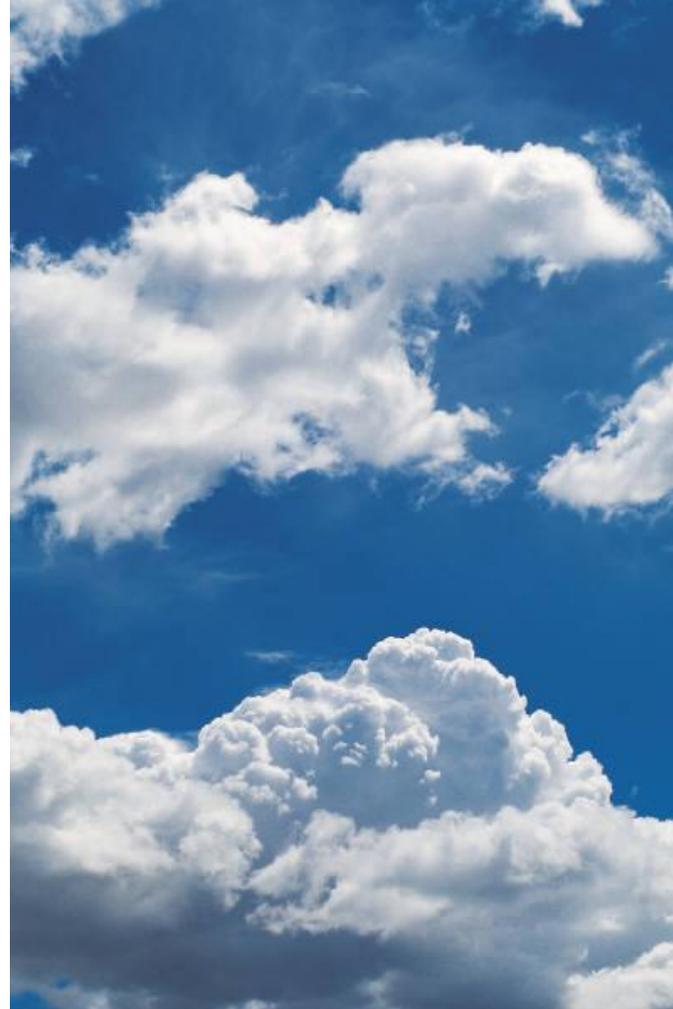
En savoir plus

- Présentation à 11 h 30

Le PI System® à l'heure de la mobilité et de l'infonuagique



Par Laurent Garrigues



Points importants à retenir

- L'infrastructure PI System évolue et continuera d'évoluer pour vous aider à résoudre des problèmes d'entreprise
- L'infrastructure PI System permet de gérer les données temporelles, les actifs ainsi que les événements
- OSIsoft va offrir des solutions pour la mobilité et les plateformes multiples, ainsi que des services infonuagiques

OSIsoft.
SÉMINAIRES
REGIONAUX
C A N A D A

2012





Questions

SVP attendre le micro
avant de poser votre
question





MERCI





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SÉMINAIRES RÉGIONAUX 2012

C A N A D A

La **puissance** des **données**

