

# Enhancing Your Overview of Production with PI AF and PI Vision



# About Us

## Alexander Dixon

Servelec Controls

Principal Systems  
Engineer

13 years O&G experience

## Mike Horrocks

OSIsoft UK

Center of Excellence  
Engineer

19 years O&G experience

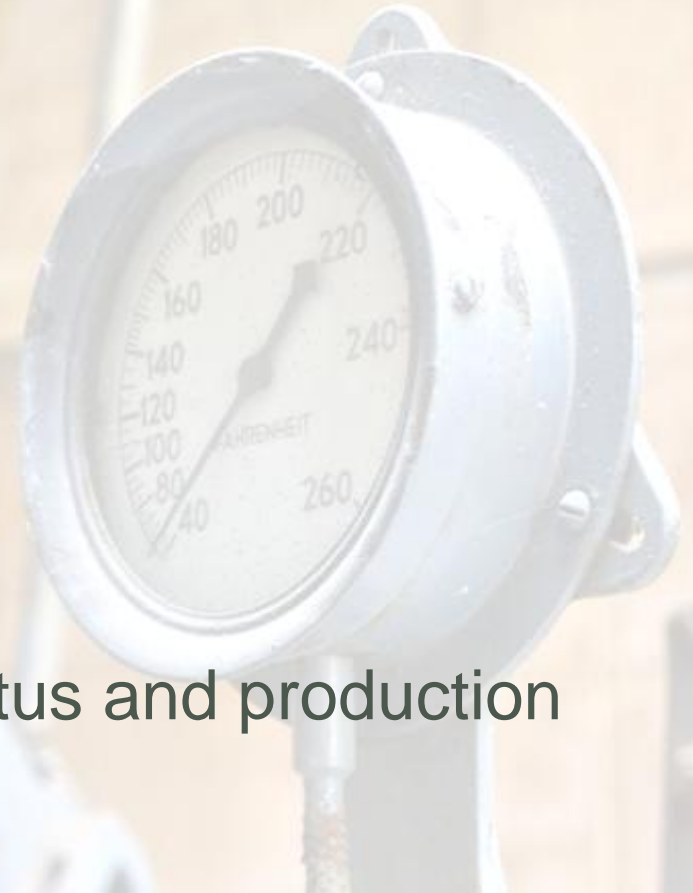
# Our Problem

## We Have:

- An aging brownfield platform
- Limited well production data

## We Require:

- High Level Dashboards
- Meaningful Information showing status and production output



# Why use a System Integrator (SI)?

Customer  
Requirements

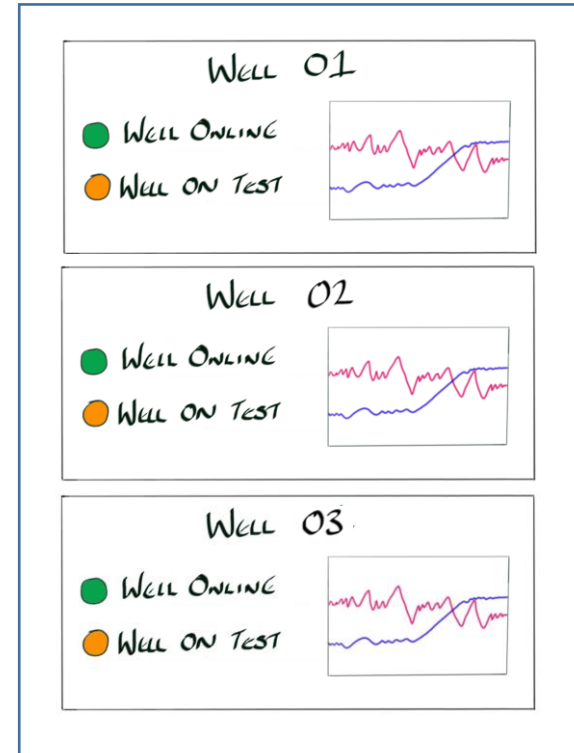


Product  
Capabilities

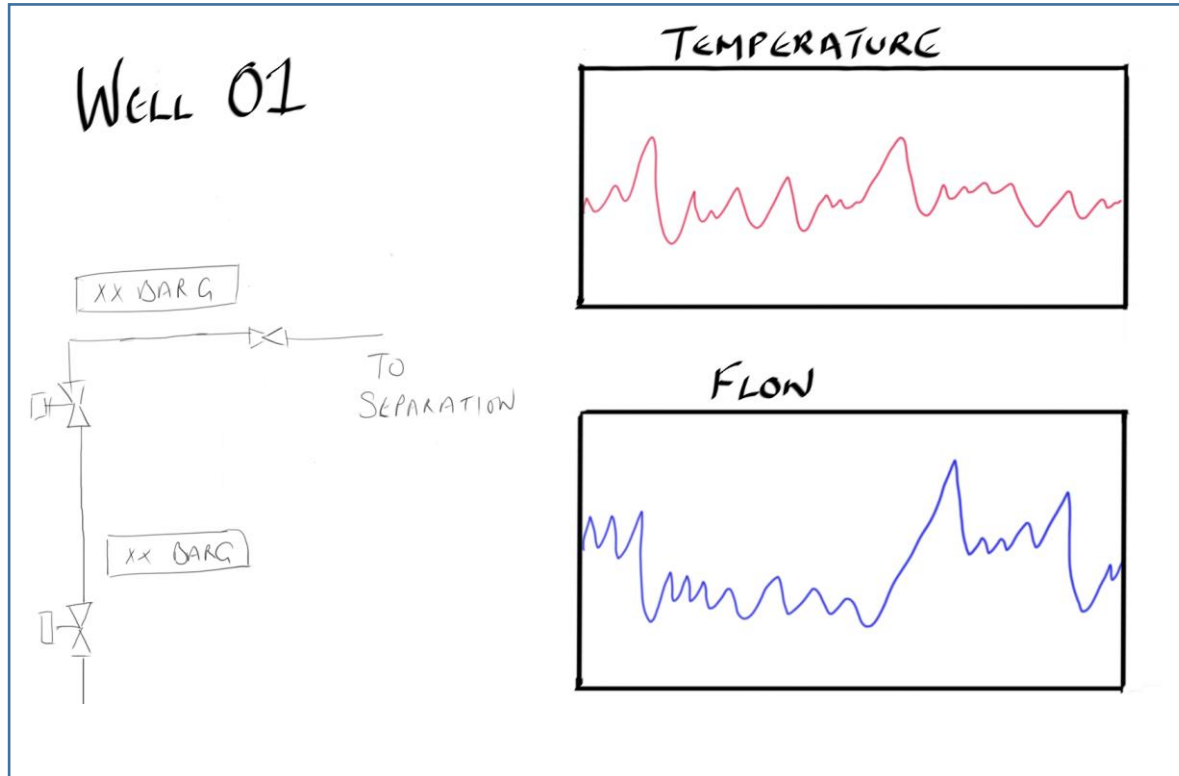


# Design – Well & Production Overview

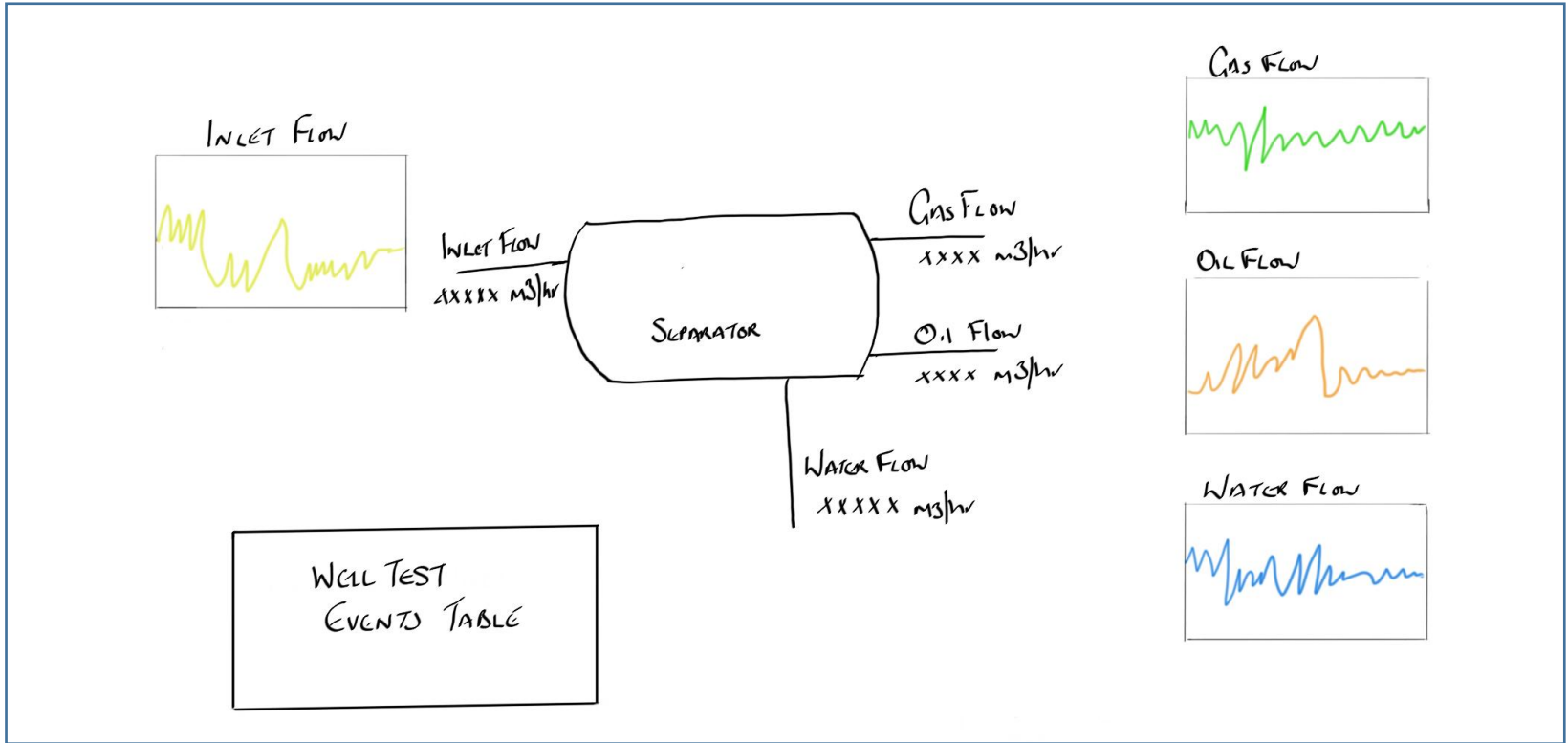
Well 01	●	FLOW
Well 02	●	FLOW
Well 03	●	FLOW
Well 04	●	FLOW
⋮		
⋮		
Well 15	●	FLOW



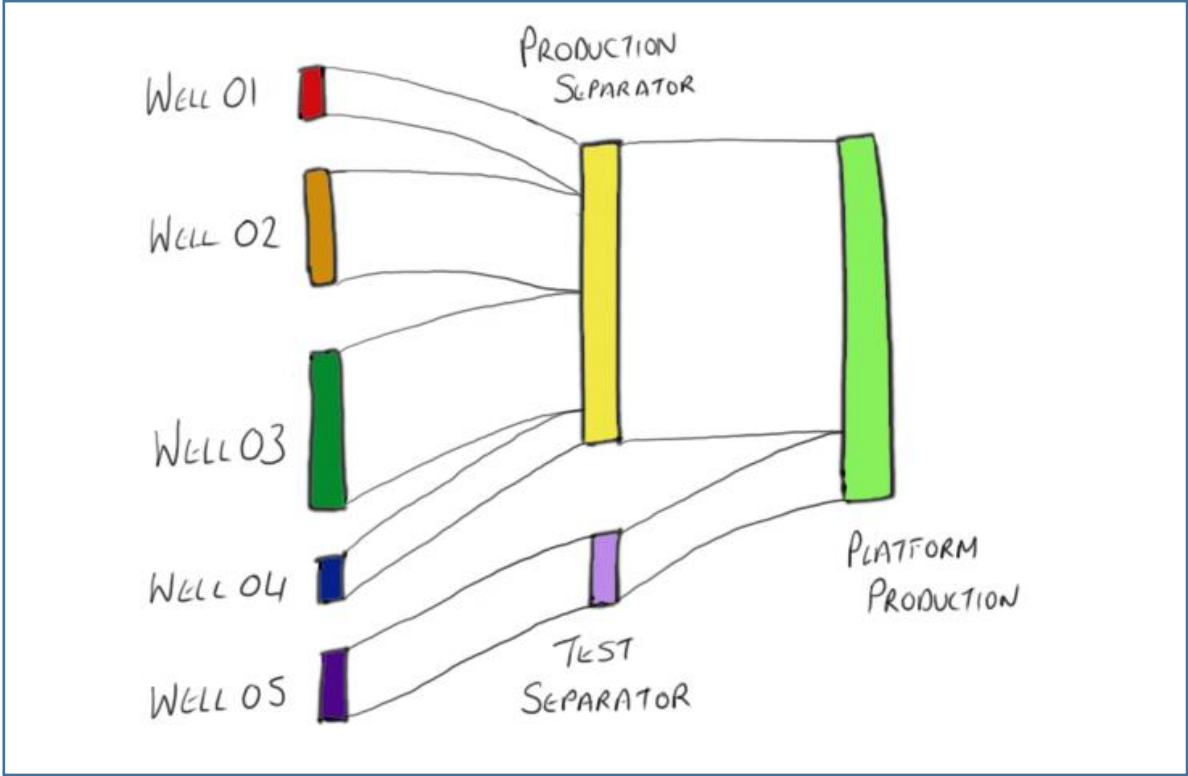
# Design – Detailed Well Display



# Design – Separator Overview



# Design – Alternative View of Production





# The Solution

Together we will solve this problem using the OSIsoft PI System, using:

- PI AF, including templates, analytics and Event Frames
- PI Vision, including extensibility

# DEMO

Understanding Our Well Data Using PI AF

# Enhancing your overview of production with PI AF and PI Vision



## CHALLENGE

Getting the most out your PI System Investment

- Aging Brownfield Site
- Limited instrumentation

## SOLUTION

The PI System allows simple scalable solutions to problems

- Using the components of the PI System solutions to problems can be built swiftly and simply
- With careful consideration, solutions can be deployed and scaled up quickly
- Select Partners offer domain knowledge and assistance with solutions using the PI System

## RESULTS

The ability to improve your business is within your grasp with the PI System.

- Transform the sea of data within your organisation into a wealth of information to enhance your business
- Provide the right information in the right format to the right people

# Key Takeaways



- Define a problem to solve
- Start Small
- Build Big
- Consider Sustainable Scalability
- Select Partners can provide experience and customisation

# Speakers



## Alexander Dixon

Principal Systems Engineer

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# Questions?

Please wait for  
the **microphone**



State your  
**name & company**

# Please remember to...

Complete the online survey  
for this session

A graphic with a blue background and a smartphone on the right. The smartphone screen displays the OSiSoft PIWorld logo. The text on the left reads: 'DOWNLOAD THE MOBILE APP', followed by a list of bullet points: 'Rate sessions and provide feedback' and 'Meet and connect with other attendees'. Below the list, it says 'Join the conversation and SHARE what you saw #osisoft #piworld'.

**DOWNLOAD  
THE MOBILE APP**

- Rate sessions and provide feedback
- Meet and connect with other attendees

Join the conversation and **SHARE**  
what you saw #osisoft #piworld

謝謝 KEA LEBOHA  
 TAPADH LEIBH 고맙습니다  
 БАЯРЛАЛАА MISAOTRA ANAO  
 DZIĘKUJĘ CI NGIYABONGA TEŞEKKÜR EDERIM GRACIES OBRIGADO شكرا SALAMAT  
 DANKON TANK TAPADH LEAT SALAMAT  
 KÖSZÖNÖM DANKIE TERIMA KASIH GRACIES  
 СПАСИБО  
 ПАКМЕТ СІЗГЕ  
 GO RAIBH MAITH AGAT  
 БЛАГОДАРЯ GRACIAS MAHADSANID  
 ТИ БЛАГОДАРАМ  
 TAK DANKE MAHADSANID  
 RAHMAT MERCI  
 HATUR NUHUN  
 GRAZZI ПАККА ПЕР  
 PAXMAT САГА  
 CẢM ƠN BẠN  
 WAZVIITA  
 FALEMINDERIT  
 TI БЛАГОДАРАМ  
 СИПОС  
 DANK JE EΥΧΑΡΙΣΤΩ GRATIAS TIBI  
 AČIŮ SALAMAT MAHALO IĀ 'ŌE TAKK SKALDU HA  
 GRAZZI ПАККА ПЕР  
 PAXMAT САГА  
 ありがとうございます  
 SIPAS JI WERE TERIMA KASIH  
 UA TSAUG RAU KOJ  
 TI БЛАГОДАРАМ  
 СИПОС  
 MULȚUMESC  
 HVALA FAAFETAI  
 ESKERRIK ASKO  
 HVALA ХВАЛА ВАМ  
 TEŞEKKÜR EDERIM  
 GRAZIE  
 DI OU MÈSI  
 ĎAKUJEM  
 MATUR NUWUN



OSIsoft.

PIWorld

THANK YOU

# DEMO

Videos



Computer

Backups

Recycle Bin

Class -  
ShortcutOSTsoft  
Learn...

PI Vision

Start Outlook  
as Student0...Start Outlook  
as Student0...Work Order  
Generator

AF2017R2...

NationalGrid...

PI World 2018 - Stage 1 - PI System Explorer (Administrator)

File Search View Go Tools Help

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

Elements

- Elements
  - Petrolux
  - Element Searches

Petrolux

General Child Elements Attributes Ports Analyses Notification Rules Version

Name: [Filter]

Name	Value
There are no attributes configured for this element. Attributes represent a single value that is used to represent a specific piece of information that is part of an element, event frame, transfer, case, or notification.	
<a href="#">New Attribute</a>	

Name: [ ] Group by:  Category  Template

Description: [ ]

Properties: [ ]

Categories: [ ]

Default UOM: [ ]

Value Type: <Anything>

Value: [ ]

Data Reference: [ ]

Settings...

Limits: Forecasts

Petrolux: Modified: 9/17/2018 2:09:40 PM Owner: PI\SCHOOL\student001 Version: 1/1/1970 12:00:00 AM, Revision 3









\\PISRVI\PI World 2018 - PI System Explorer (Administrator)

File Search View Go Tools Help

Database Query Date Refresh New Element New Attribute Search Elements

Elements

- Elements
  - Extensibility
  - Petrolux
    - APAC
    - EMEA
      - Spain
        - Barcelona
          - Production
            - Separators
              - Production Separator
              - Test Separator
            - Wells
              - Ciutat Vella
              - Excample
              - Gràcia
              - Horta-Guinardó
              - Les Corts
              - Nou Barris
              - Sant Andreu
              - Sant Martí
              - Sants-Montjuïc
              - Sarrià-Sant Gervasi
          - Madrid
          - Sevilla
          - Valencia
          - Zaragoza
        - LATAM
        - NAM

Element Searches

Petrolux

General Child Elements Attributes Ports Analyses Notification Rules Version

Name Value

There are no attributes configured for this element. Attributes represent a single value that is used to represent a specific piece of information that is part of an element, event frame, transfer, case, or notification.

[New Attribute](#)

Name:

Description:

Properties:

Categories:  Header

Default UOM:

Value Type: <Anything>

Value:

Data Reference:

Settings...

Limits Forecasts

Petrolux: Modified:8/31/2018 8:38:43 AM Owner:PI.SCHOOL@student01 Version: 1/1/1970 12:00:00 AM, Revision 2

PI World 2018  
 719-PISRv1  
 719-PIDC  
 cbpiworldtes

Computer Backups

Recycle Bin

Class - Shortcut

OSTsoft Learn...

PI Vision

Start Outlook as Student0...

Start Outlook as Student0...

Work Order Generator

AF2017R2...

NationalGrid...

Start

Internet Explorer

Microsoft Word

Microsoft Excel

PowerShell

Google Chrome

File Explorer

RemoteApp

EN

PI Vision

https://p1srv1.p1school.int/PIVision/#/

OSTsoft  
**PI Vision**

+ New Display | PISCHOOLstudent01

Show private displays

Search Favorites

Filter by keywords

All Displays

**☆ Favorites**

My Displays

Recent

Home

Processbook Import

**Favorites (4)**

**PI World 2018 - Well Detail v1**  
 PISCHOOLstudent01

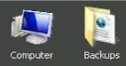
**PI World 2018 - Production Sankey**  
 PISCHOOLstudent01

**PI World 2018 - Separator**  
 PISCHOOLstudent01

**PI World 2018 - Well Overview v2**  
 PISCHOOLstudent01



- PI World 2018
- 719-PI SRV1
- 719-PIDC
- cbpiworldtes



PI Vision - PI World 2018 - Well Over

PI Vision - PI World 2018 - Well Det

https://pisrv1.pischool.int/PIVision/#/Displays/13/PI-World-2018-Well-Detail-v1?starttime=-1h&endtime=\*Basest=%5C%5CPISRV1%5C%5CPI%20World%202018%5...

OStsoft PI Vision

New Display | PISCHOOLstudent01

PI World 2018 - Well Detail v1 Asset: Ciutat Vella

Ad Hoc Display

### Ciutat Vella

001 Barcelona

Separator:Detail

9/20/2018 10:03:24 AM 1h 9/20/2018 11:03:24 AM

Now