

First Gas

Tieto Oil & Gas Australia



Introductions



Agenda



Agenda

1. Tieto and their capabilities (10 mins)
 - a) Who are we?
 - b) Energy Components
2. First Gas Project (40 mins)
 - a) Project timeframe
 - b) Project Methodology
 - c) Interfacing
 - d) Testing Schedule
 - e) Training
 - f) Consultation Items
3. Questions and Answers

Who are we?

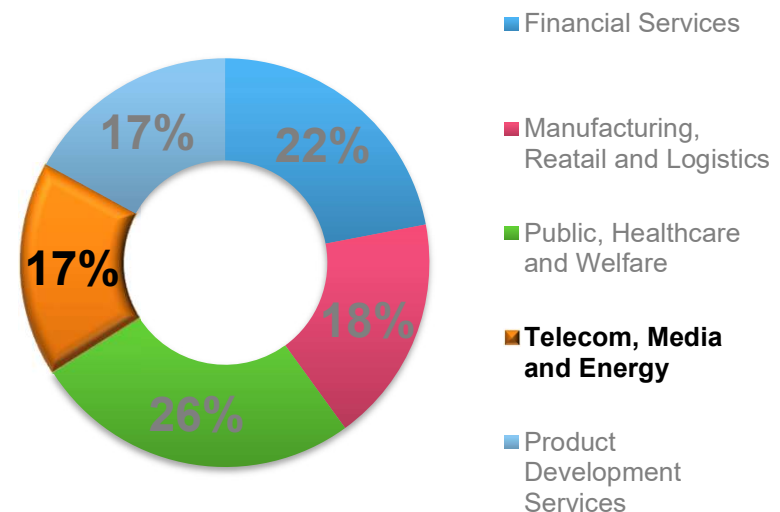
Tieto Corporate



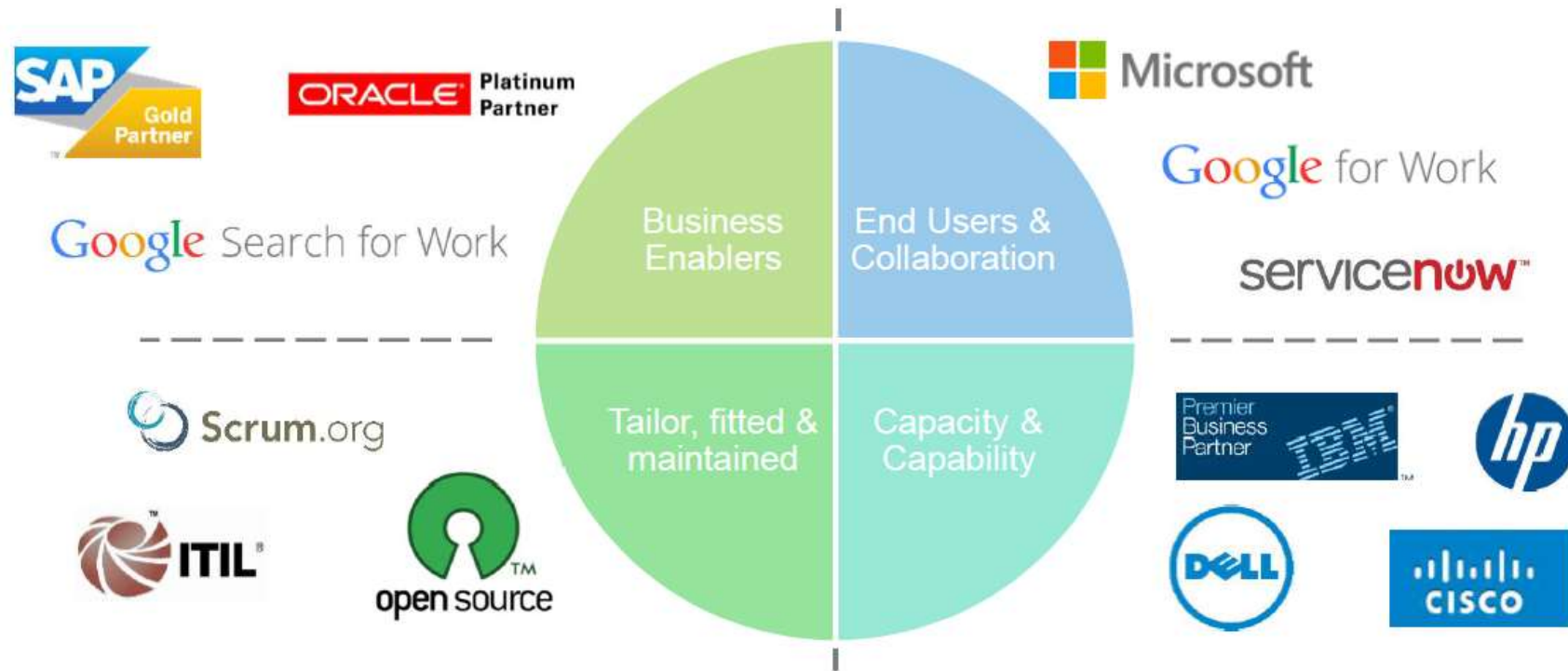
Tieto Corporation

- Largest IT service company in the Nordics
- Provides full lifecycle services in IT, as well as product development, for private and public organizations
 - founded **1968**,
 - headquartered in Helsinki, **Finland**
 - approximately **14,000** employees
 - operates in over 20 countries
 - net sales at approx. **EUR 1.6 billion**

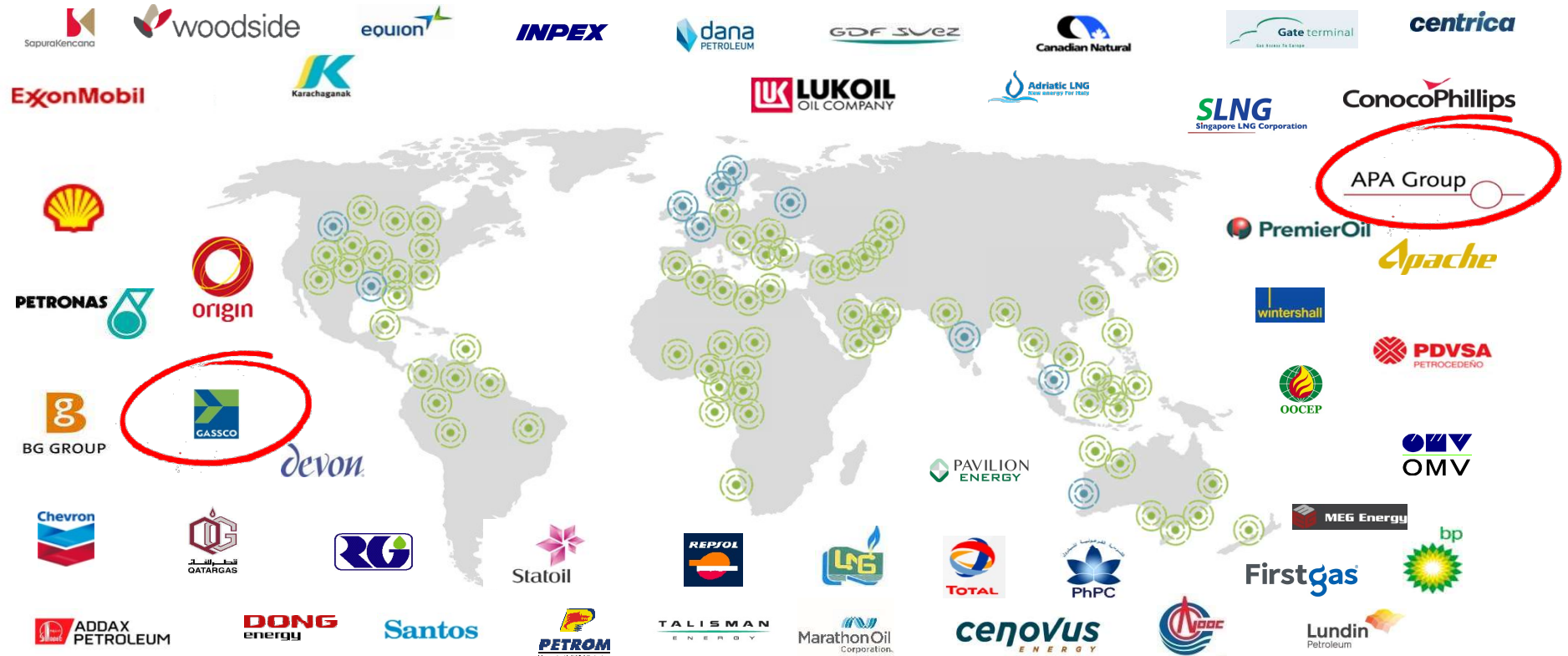
Sales by Industry



Tieto Technology Partners



Tieto Oil & Gas - Worldwide



Tieto Oil & Gas – Our Customers



Products and Services



- Energy Components
 - 'EC'
 - Hydrocarbon Management
 - Business consulting
 - Product development



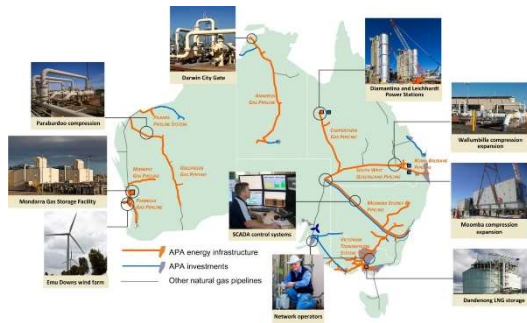
- Personnel Transport Solution
 - 'PTS'
 - Personnel on Board Mgt
 - Business consulting
 - Product development

Our Experience - Gassco - Norway



- 7,800km of natural gas pipelines across Norway
- One of the largest gas transport systems in Europe
- 15% of the total consumption of natural gas in Continental Europe is distributed through Gassco
- Customer since 2002
- Long standing consulting service being provided by Tieto

Our Experience - APA Group - Australia



- 14,000km of natural gas pipelines across Australia
- Australia's largest transporter of natural gas, delivering approximately half of Australia's annual gas use through its infrastructure
- Customer since 2003
- Ongoing co-innovation project with Tieto
- Customer Focus
 - Using one system
 - One primary contact
 - A common business support team
 - Creation of the Business to Business functionality (e.g. nomination interface)

Energy Components

Hydrocarbon Management





energy components

EC in Numbers



- Over **500** licenses of EC have been sold in close to 55 countries



- EC provides unprecedented support the **whole value chain**



- EC received the highest rating in “***Fit to Market Needs***” by IDC Energy Insights

Energy Components

- EC provides **complete functionality** to transport natural gas from production sites by pipelines to the consumer markets
- EC includes all features of **nomination** management, **balancing** services and **revenue**
- EC supports the **full hydrocarbon management value chain**

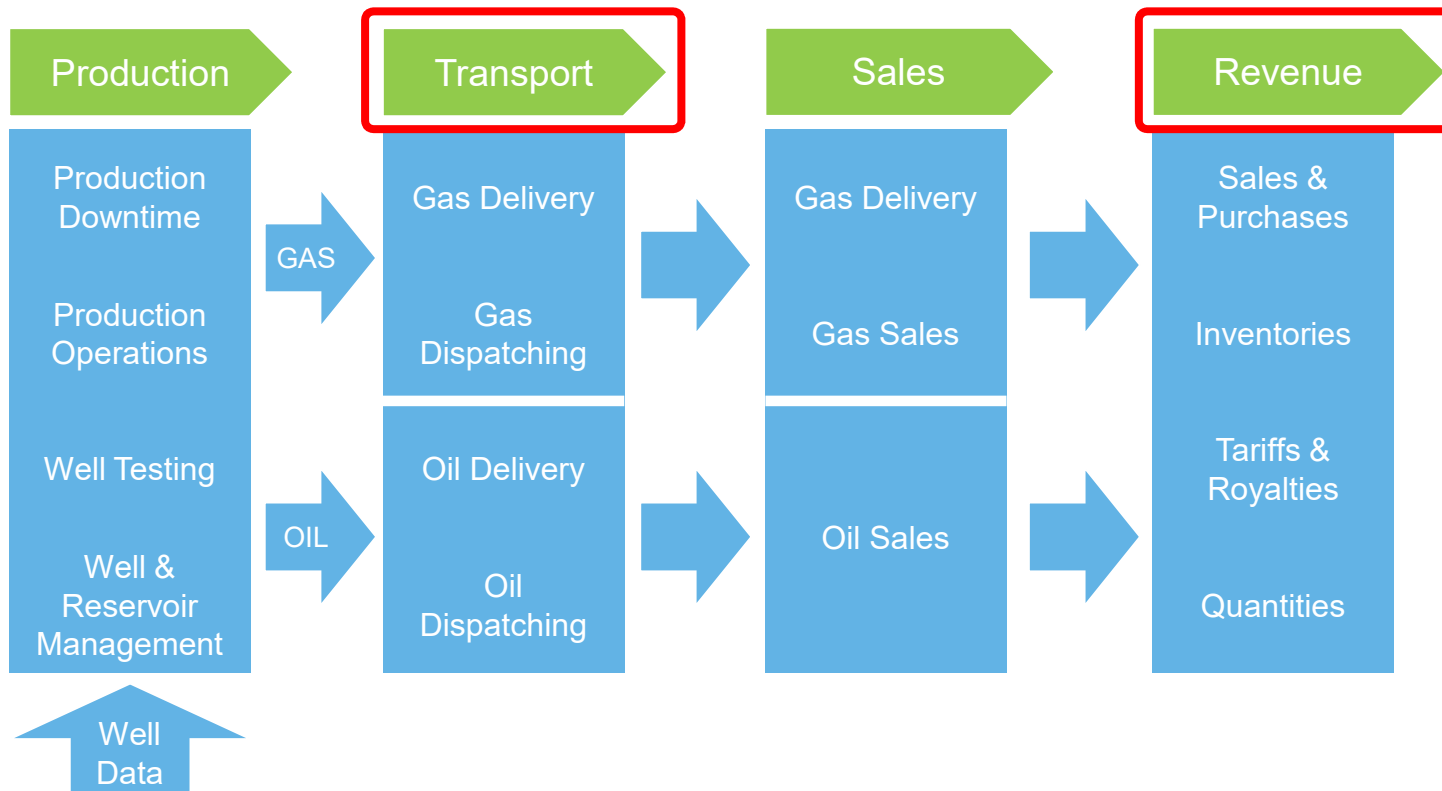


Energy Components

- **Flexible** and configurable
- Monitoring and **reporting** every **hydrocarbon produced, transported and sold** to accurately determine the value of the gas from different sources
- Full **traceability**
- **Auditability**
- **SOX404 compliance**



EC Functionality / Modules



Transport & Revenue Modules

- **Complete set of functionality** to cope with all types of transport requirements
- Developed to handle tasks, for example;
 - **Nomination** management
 - Assess available **capacity** against **aggregate nominations** at each network point
 - **Curtailment** management
 - Gas storage and **balancing**
 - Store and use gas **quantity and quality measurements**
 - **Allocation** and reconciliation of all data at periodical intervals
 - Calculate **tariffs** and **fees**
 - Submit **invoices** / statements and integrate with financial accounting system
 - Regulatory **reporting**

EC in Numbers



- More than **20%** European gas consumption distributed through pipeline transportation systems is managed by EC



- Over **7,800km** of pipelines and 100+ bln m³ gas volumes are transported annually under EC control

Typical EC Screen

energy components

SEARCH

FAVORITES

- Daily Dashboard
- Daily Production Well Status 1

MENU

- › CONFIGURATION
- › SC PRODUCTION
 - Daily Dashboard
- › WELL AND RESERVOIR
- › PRODUCTION OPERATIONS
 - Equipment Finder
 - Stream Finder
 - Tank Finder
 - Test Device Finder
- › EVENT
- › SUB DAILY
 - › GROUP MODEL - BY DAY
 - Daily Stream Status
 - Daily Oil Stream Status
 - Daily Stream Data - Day Navigator
 - Daily Stream Data - Month Navigator
 - Daily Oil Stream Status - Mass
 - Daily Liquid Stream Data
 - Daily Gas Stream Status
 - Daily Gas Stream Profit Centre Str
 - Daily Gas Stream Company Status
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 - Daily Tank Status - Terminal
 - Daily Tank Status - VOF Calc

2011-1-1

Production Unit: P1 Production Unit

Area: P1 Area

Facility Class 1: P1 Facility 1

Daily Oil Stream Status

MEASURED FIGURES

Stream Name	Stream Volume Data				Stream Volume Data				Stream Mass Data		Historical Gross Volume		Gas Oil Ratio (barrels)	Oil Spec Gravity
	Gas Vol (Sm³)	SS&W (m³)	Calc Net Vol (Sm³)	Alloc Net Vol (Sm³)	Diluent (m³)	Diluent Vol (Sm³)	Shrinkage	Calc Diluent (m³)	Gas Mass (kg)	Yield Vol (Sm³)	30d Avg Vol (Sm³)			
P1 5001 M OIL PO 0001	1,900.0	2.00	1,923.0											
P1 5024 M OIL WR 0038			1,900.0											
P1 5072 M OIL PP 0028										1,200.0				
P1 5074 M OIL PP 0028	1,400.0		1,400.0											
P1 5078 M OIL PP 0028	1,800.0		1,800.0							1,300.0				
P1 5076 M OIL PP 0028	1,700.0		1,700.0											
P1 5083 M OIL PO 0005_24	1,800.0		1,800.0	1,800.0										
P1 5006 M OIL PO 0001	1,500.0		1,054.4											

DERIVED AND CALCULATED FIGURES

Stream Name	Gas Vol (Sm³)	Net Vol (Sm³)	Alloc Net Vol (Sm³)	Alloc Factor
P1 5009 M OIL PO 0043	43.5	35.5		
P1 5011 M OIL PO 0056	10.0	9.8		
P1 5012 M OIL PO 0056	9.8	9.7		
P1 5013 M OIL PO 0045	45.0	34.6		
P1 5014 M OIL PO 0046	432.0	427.7		
P1 5023 O OIL PO 0001 02	13,500.0	13,200.0		
P1 5000 M OIL PO 0100_F	0.0	0.0		
P1 5078 M OIL PO 0100_F	72.4	66.7		
P1 5082 M OIL PO 0056		12.7		
P1 5107 O OIL PO 0021	50.0	50.0		
P1 5001 M OIL PO 0056	12.0			

RECORD STATUS: REVISION INFO: APPROVAL STATUS: HINTS & TIPS: VALIDATION: TRENDS

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Screen Bar

energy components

SEARCH

FAVORITES

- Daily Dashboard
- Daily Production Well Status 1

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Date

2011-1-1

Production Unit

P1 Production Unit

Area

P1 Area

Facility Class 1

P1 Facility 1

MEASURED FIGURES

Stream Name	Stream Volume Data				Stream Volume Data				Stream Mass Data		Historical Gross Volume			
	Gas Vol (Sm ³)	SS&W (m)	Calc Net Vol (Sm ³)	Alloc Net Vol (Sm ³)	Alloc Factor	Diluent (m)	Diluent Vol (Sm ³)	Shrinkage	Calc Diluent (m)	Gas Mass (kg)	Water Vol (Sm ³)	30d Avg Vol (Sm ³)	Gas Oil Ratio (kg/m ³)	Oil Spec Gravity
P1 5001 M OIL PO 0001	1,900.0	2.00	1,920.0											
P1 5024 M OIL WR 0038			1,900.0											
P1 5072 M OIL PP 0028										1,200.0				
P1 5074 M OIL PP 0028	1,400.0		1,400.0											
P1 5078 M OIL PP 0028	1,800.0		1,800.0							1,300.0				
P1 5076 M OIL PP 0028	1,700.0		1,700.0											
P1 5083 M OIL PO 0008_24	1,800.0		1,800.0	1,800.0										
P1 5006 M OIL PO 0001	1,500.0		1,056.4											

DERIVED AND CALCULATED FIGURES

Stream Name	Gas Vol (Sm ³)	Net Vol (Sm ³)	Alloc Net Vol (Sm ³)	Alloc Factor
P1 5009 M OIL PO 0043	43.5	35.5		
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P1 5013 M OIL PO 0045	45.0	34.6		
P1 5014 M OIL PO 0046	432.0	427.7		
P1 5023 G OIL PO 0001 02	13,500.0	13,200.0		
P1 5000 M OIL PO 0100_P	0.0	0.0		
P1 5078 M OIL PO 0100_P	72.4	66.7		
P1 5082 M OIL PO 0056		12.7		
P1 5107 O OIL PO 0021	50.0	50.0		
P1 5001 M OIL PO 0056	12.0			

RECORD STATUS

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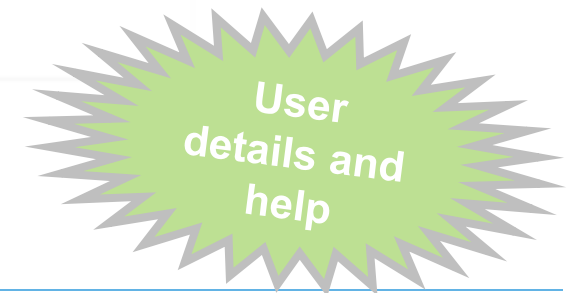
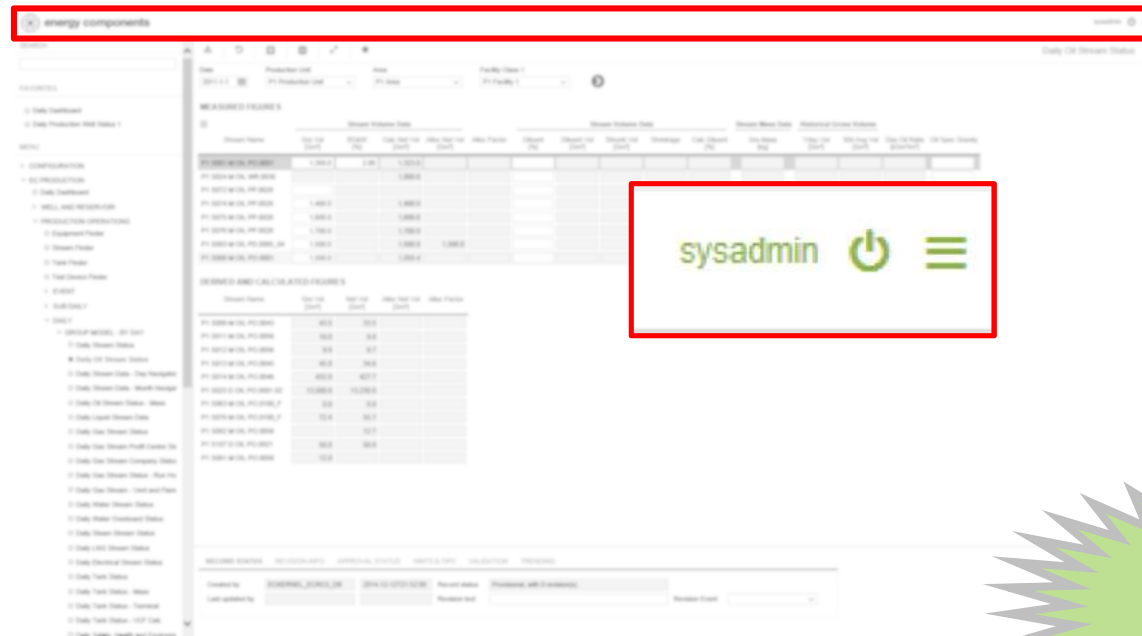
Record status

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Revision Event

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Screen Bar



Toolbar

energy components

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2011-1-1

Production Unit

P1 Production Unit

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P1 Area

Facility Class 1

P1 Facility 1

Daily Oil Stream Status

MEASURED FIGURES

Stream Name	Stream Volume Data				Stream Volume Data				Stream Mass Data		Historical Gross Volume				
	Gas Vol (Sm³)	SS&W (m³)	Calc Net Vol (Sm³)	Alloc Net Vol (Sm³)	Alloc Factor	Diluent (m³)	Diluent Vol (Sm³)	Shrinkage	Calc Diluent (m³)	Gas Mass (kg)	Water Vol (Sm³)	30d Avg Vol (Sm³)	Gas Oil Ratio (kg/m³)	Oil Spec Gravity	
P1 5001 M OIL PO 0001	1,900.0	2.00	1,920.0												
P1 5024 M OIL WR 0038			1,900.0												
P1 5072 M OIL PP 0028										1,200.0					
P1 5074 M OIL PP 0028	1,400.0		1,400.0												
P1 5078 M OIL PP 0028	1,800.0		1,800.0							1,300.0					
P1 5076 M OIL PP 0028	1,700.0		1,700.0												
P1 5083 M OIL PO 0005_24	1,800.0		1,800.0	1,800.0											
P1 5006 M OIL PO 0001	1,500.0		1,056.4												

DERIVED AND CALCULATED FIGURES

Stream Name	Gas Vol (Sm³)	Net Vol (Sm³)	Alloc Net Vol (Sm³)	Alloc Factor
P1 5009 M OIL PO 0043	43.6	35.6		
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P1 5012 M OIL PO 0056	9.8	9.7		
P1 5013 M OIL PO 0045	45.0	34.6		
P1 5014 M OIL PO 0046	432.0	427.7		
P1 5023 G OIL PO 0001 02	13,500.0	13,200.0		
P1 5000 M OIL PO 0100_P	0.0	0.0		
P1 5078 M OIL PO 0100_P	72.4	66.7		
P1 5082 M OIL PO 0056		12.7		
P1 5107 O OIL PO 0021	50.0	50.0		
P1 5001 M OIL PO 0056	12.0			

RECORD STATUS

REVISION INFO

APPROVAL STATUS

HINTS & TIPS

VALIDATION

TRENDS

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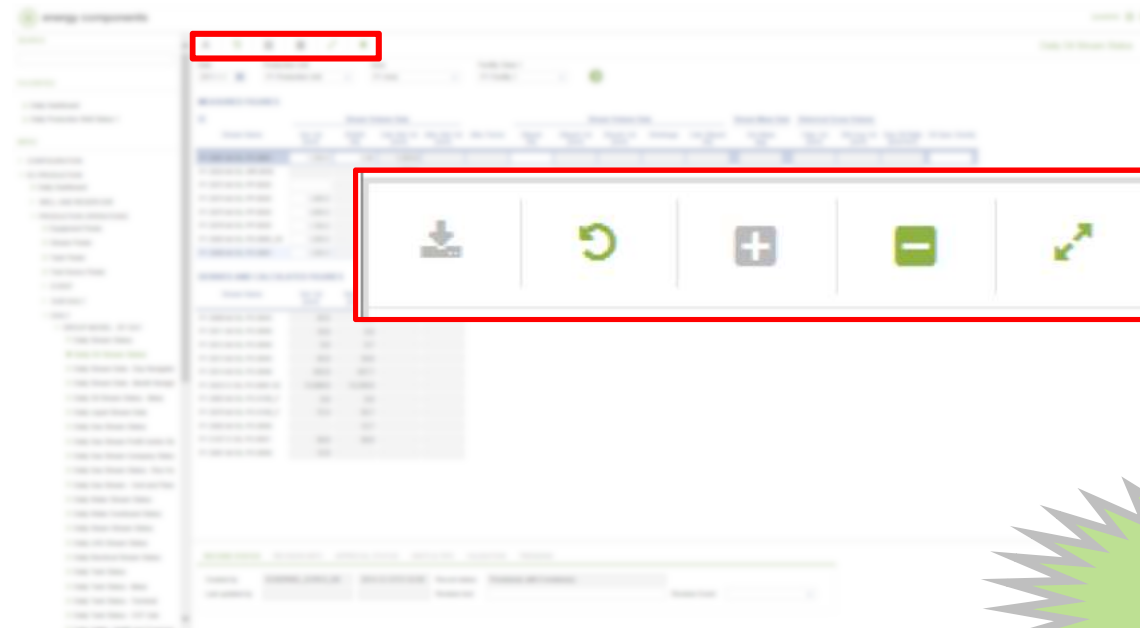
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Last updated by: Revision text

Revision Event

Toolbar



Tree View

energy components

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MEASURED FIGURES

Stream Name Gas Vol (Sm³) SS&W (t) Calc Net Vol (Sm³) Alloc Net Vol (Sm³) Alloc Factor Diluent (t) Diluent Vol (Sm³) Shrinkage Shrinkage Calc Diluent (t) Gas Mass (t) Year Vol (Sm³) 30d Avg Vol (Sm³) Gas Oil Ratio (kg/m³) Oil Spec Gravity

P1 5001 M OIL PO.0001	1,900.0	2.00	1,923.0												
P1 5004 M OIL WR.0038			1,900.0												
P1 5072 M OIL PP.0028											1,200.0				
P1 5074 M OIL PP.0028	1,400.0		1,400.0												
P1 5078 M OIL PP.0028	1,800.0		1,800.0								1,300.0				
P1 5076 M OIL PP.0028	1,700.0		1,700.0												
P1 5003 M OIL PO.0005_04	1,800.0		1,800.0	1,800.0											
P1 5006 M OIL PO.0001	1,500.0		1,056.4												

DERIVED AND CALCULATED FIGURES

Stream Name Gas Vol (Sm³) Net Vol (Sm³) Alloc Net Vol (Sm³) Alloc Factor

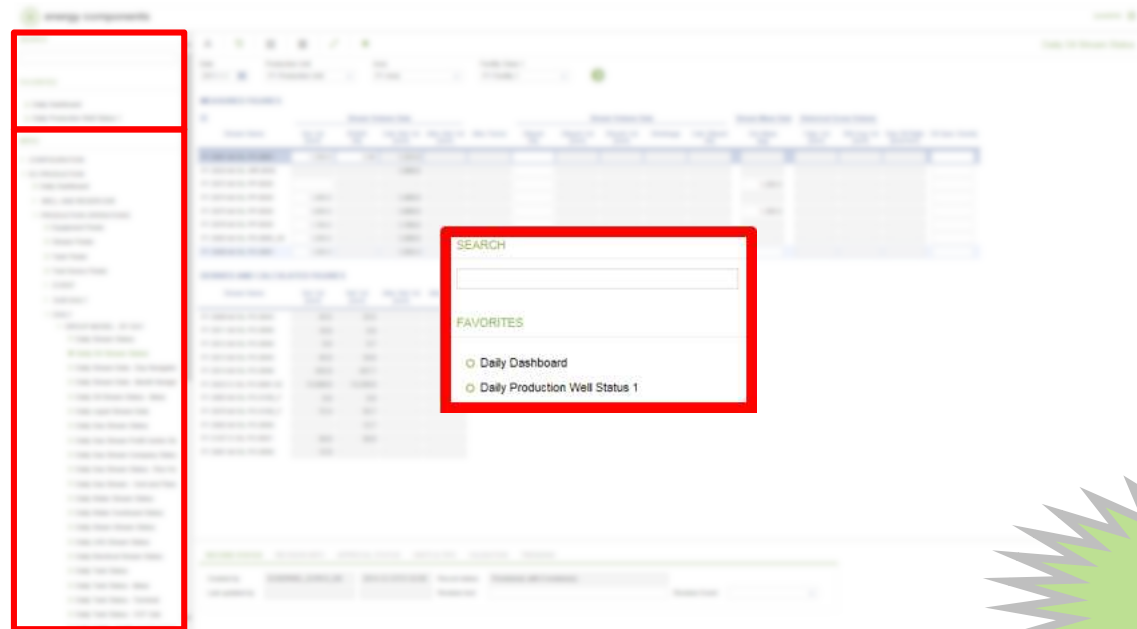
P1 5009 M OIL PO.0043	43.5	35.5		
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P1 5012 M OIL PO.0056	9.8	9.7		
P1 5013 M OIL PO.0045	45.0	34.6		
P1 5014 M OIL PO.0046	432.0	427.7		
P1 5023 G OIL PO.0011_02	13,500.0	13,200.0		
P1 5000 M OIL PO.0100_P	0.0	0.0		
P1 5078 M OIL PO.0100_P	72.4	66.7		
P1 5082 M OIL PO.0056		12.7		
P1 5107 O OIL PO.0021	50.0	50.0		
P1 5001 M OIL PO.0056	12.0			

RECORD STATUS REVISION INFO APPROVAL STATUS HINTS & TIPS VALIDATION TRENDS

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Tree View



Navigator Pane

energy components

SEARCH

2011-1-1

Production Unit: P1 Production Unit

Area: P1 Area

Facility Class: P1 Facility 1

MEASURED FIGURES

Stream Name	Stream Volume Data				Stream Volume Data				Stream Mass Data		Historical Gross Volume		Gas Oil Ratio (barrels)	Oil Spec Gravity
	Gas Vol (Sm³)	SS&W (m³)	Calc Net Vol (Sm³)	Alloc Net Vol (Sm³)	Diluent (m³)	Diluent Vol (Sm³)	Shrinkage	Calc Diluent (m³)	Gas Mass (kg)	Yield Vol (Sm³)	30d Avg Vol (Sm³)			
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P1 5072 M OIL PP.0028										1,200.0				
P1 5074 M OIL PP.0028	1,400.0		1,400.0											
P1 5078 M OIL PP.0028	1,800.0		1,800.0							1,300.0				
P1 5076 M OIL PP.0028	1,700.0		1,700.0											
P1 5083 M OIL PO.0005_04	1,800.0		1,800.0	1,800.0										
P1 5006 M OIL PO.0001	1,500.0		1,054.4											

DERIVED AND CALCULATED FIGURES

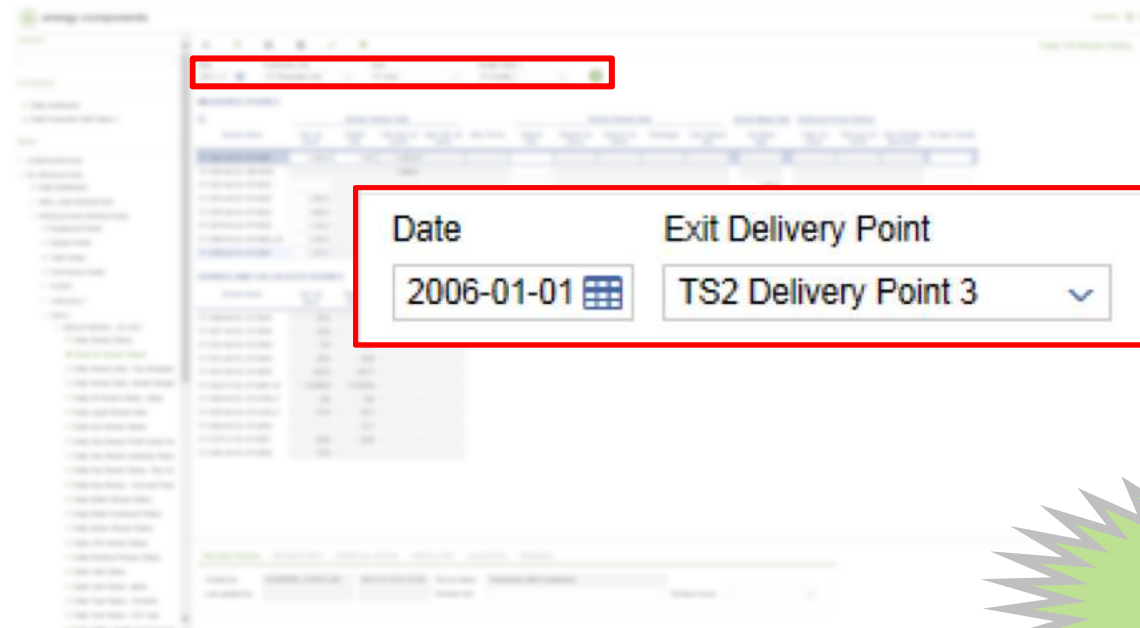
Stream Name	Gas Vol (Sm³)	Net Vol (Sm³)	Alloc Net Vol (Sm³)	Alloc Factor
P1 5009 M OIL PO.0043	43.5	35.5		
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P1 5014 M OIL PO.0046	432.0	427.7		
P1 5023 G OIL PO.0011_02	13,500.0	13,200.0		
P1 5000 M OIL PO.0100_P	9.0	0.0		
P1 5078 M OIL PO.0100_P	72.4	66.7		
P1 5082 M OIL PO.0056		12.7		
P1 5107 O OIL PO.0021	50.0	50.0		
P1 5001 M OIL PO.0056	12.0			

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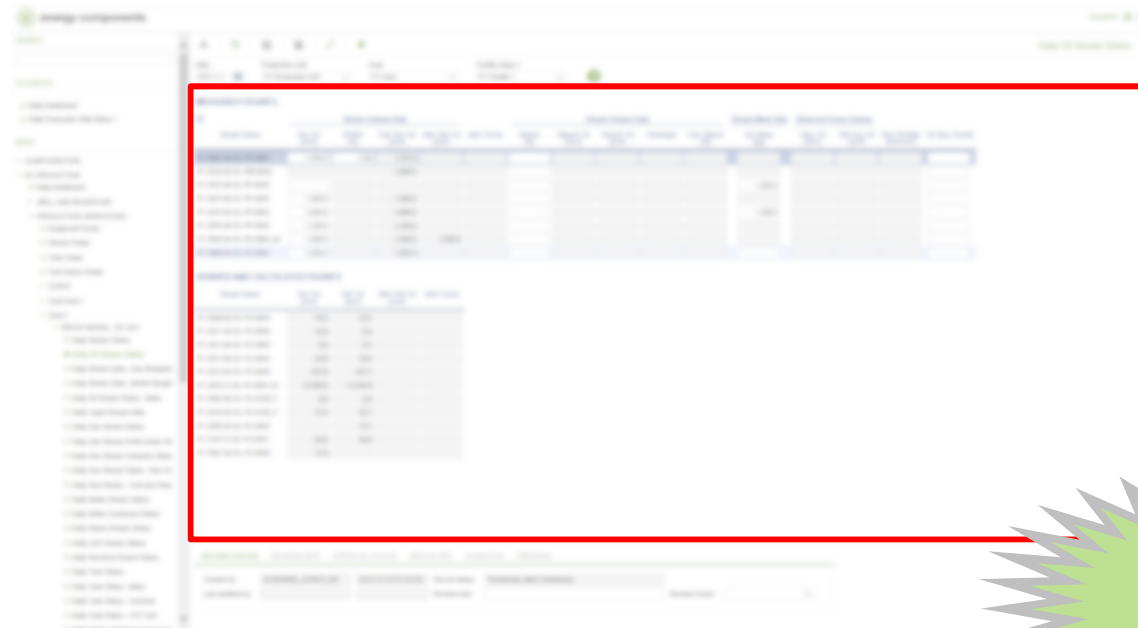
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Navigator Pane



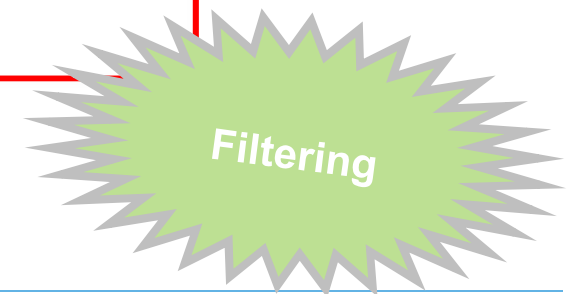
Filtering

Data Window



The screenshot shows a software interface with a sidebar on the left and a main data area. A red rectangular box highlights a table within the main area. The table has multiple columns, including what appears to be a date column and several numerical columns. Below the highlighted table, there is another smaller table. At the bottom of the interface, there are some input fields and buttons.

DATE	VALUE1	VALUE2	VALUE3	VALUE4	VALUE5
2023-01-01	100	200	300	400	500
2023-01-02	150	250	350	450	550
2023-01-03	200	300	400	500	600
2023-01-04	250	350	450	550	650
2023-01-05	300	400	500	600	700
2023-01-06	350	450	550	650	750
2023-01-07	400	500	600	700	800
2023-01-08	450	550	650	750	850
2023-01-09	500	600	700	800	900
2023-01-10	550	650	750	850	950



Status Area

energy components

SEARCH

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2011-1-1

Production Unit: P1 Production Unit

Area: P1 Area

Facility Class 1: P1 Facility 1

Daily Oil Stream Status

MEASURED FIGURES

Stream Name	Stream Volume Data				Stream Volume Data				Stream Mass Data		Historical Gross Volume		Gas Oil Ratio (g/g)	Oil Spec Gravity
	Gas Vol (Sm³)	SS&W (m)	Calc Net Vol (Sm³)	Alloc Net Vol (Sm³)	Diluent (m)	Diluent Vol (Sm³)	Shrinkage (Sm³)	Shrinkage (m)	Calc Diluent (m)	Gas Mass (kg)	Yield Vol (Sm³)	30d Avg Vol (Sm³)		
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P1 5072 M OIL PP.0028										1,200.0				
P1 5074 M OIL PP.0028	1,400.0		1,400.0											
P1 5078 M OIL PP.0028	1,800.0		1,800.0							1,300.0				
P1 5076 M OIL PP.0028	1,700.0		1,700.0											
P1 5083 M OIL PO.0005_24	1,800.0		1,800.0	1,800.0										
P1 5006 M OIL PO.0001	1,500.0		1,256.4											

DERIVED AND CALCULATED FIGURES

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RECORD STATUS: REVISION INFO APPROVAL STATUS COMMENTS TYPE VALIDATIONS PREPARED

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Status Area

The screenshot shows a software interface with a 'Status Area' at the bottom. A red box highlights the 'RECORD STATUS' section, which includes the following fields:

Field	Value
Created by	ECKERNEL_111_TCS_KL_I
Created on	2015-12-12T21:10:37
Record status	Provisional, with 0 revision(s)
Last updated by	ECKERNEL_111_TCS_KL_I
Last updated on	2015-12-12T14:10:37
Revision text	
Revision Event	

Below the red box, another red box highlights a section labeled 'Revision history, hints, trending'.

Revision
history,
hints,
trending

Input Nomination Screen

sysadmin

Input Nomination

Date

Exit Delivery Point

2006-01-01

T52 Delivery Point 3

DAY INPUT NOMINATION

Contract Name	Entry Delivery Point Name	UCM	Accepted Qty	Requested Qty	Requested Date	Sent Qty	Sent Date	Accepted Qty	Accepted Date
T52 Contract 1	T52 Delivery Point 1	Sm ³	2,400.00	1,680.00		1,700.00		1,700.00	

SUB DAY INPUT NOMINATION

Time HH:	Accepted Qty [Sm ³]	Requested Qty [Sm ³]	Adjustment (+/-) [Sm ³]	Adjusted Qty [Sm ³]	Sent Qty [Sm ³]	Accepted Qty [Sm ³]
00:00	100.00	70.00	2.00	72.00	72.00	72.00
01:00	100.00	70.00		70.00	70.00	70.00
02:00	100.00	70.00		70.00	70.00	70.00
03:00	100.00	70.00		70.00	70.00	70.00
04:00	100.00	70.00		70.00	70.00	70.00
05:00	100.00	70.00		70.00	70.00	70.00
06:00	100.00	70.00	2.00	72.00	72.00	72.00
07:00	100.00	70.00	2.00	72.00	72.00	72.00
08:00	100.00	70.00	2.00	72.00	72.00	72.00
09:00	100.00	70.00	2.00	72.00	72.00	72.00
10:00	100.00	70.00	2.00	72.00	72.00	72.00
11:00	100.00	70.00	2.00	72.00	72.00	72.00
12:00	100.00	70.00	2.00	72.00	72.00	72.00
13:00	100.00	70.00	2.00	72.00	72.00	72.00
14:00	100.00	70.00		70.00	70.00	70.00
15:00	100.00	70.00		70.00	70.00	70.00
16:00	100.00	70.00		70.00	70.00	70.00
17:00	100.00	70.00		70.00	70.00	70.00
18:00	100.00	70.00		70.00	70.00	70.00
19:00	100.00	70.00		70.00	70.00	70.00

(1 of 2)

RECORD STATUS

REVISION INFO

Created by

ECKERNEL_111_TCS_KL_1

Last updated by

ECKERNEL_111_TCS_KL_1

2015-12-12T21:10:37

2015-12-12T14:10:37

Record status

Provisional, with 0 revision(s).

Revision text

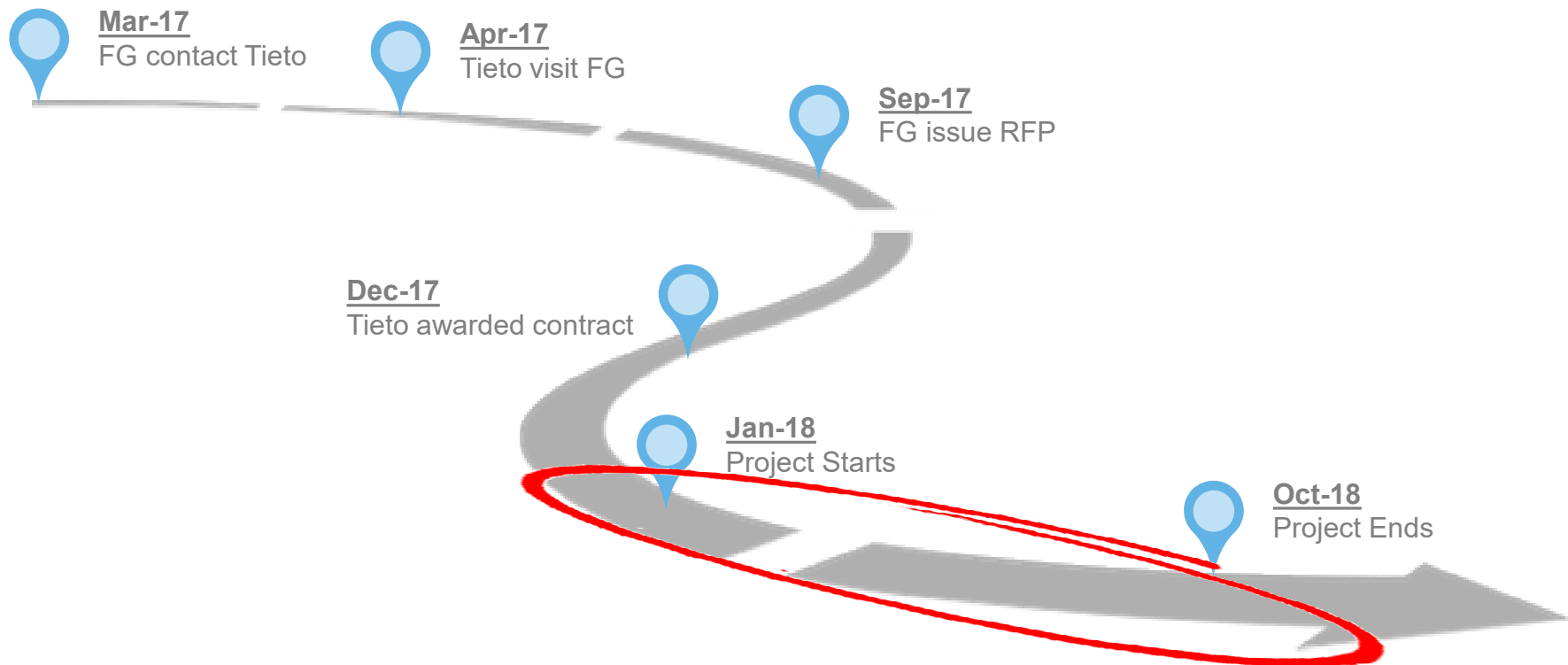
Revision Event

The First Gas Project

Project Timeframe



Timeline Summary



The First Gas Project

Project Methodology



The Project – Guiding Principles

1. **Use of EC's standard configuration over timely customisations**
 - This may mean FG having to adopt and adapt to best practice processes inherent in EC
2. **Availability of all project members**
 - This is to ensure requirements and solutions are defined in a timely and adequate manner
3. **Efficient Project Management**
 - Accurate tracking of time, cost and scope and handling deviances from these appropriately through prioritisation and rescheduling



**Pragmatic
approach
required**

The 'Tieto Way' Methodology



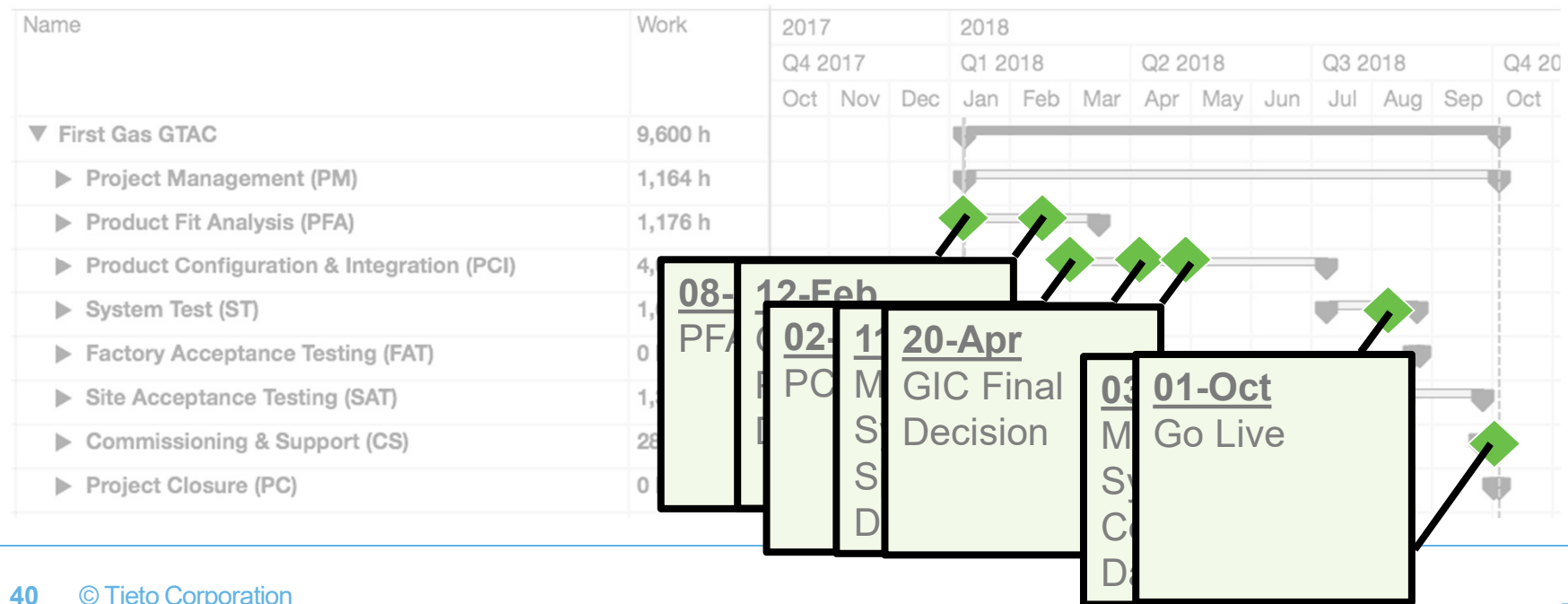
- Proven methodology
- 8 phase 'waterfall' approach, consisting of the following phases
 - PRE – Pre-Study
 - PFA – Product Fit Analysis
 - PCI – Product Configuration
 - ST – System Test
 - FAT – Factory Acceptance Test (not applicable in this project)
 - SAT – Site Acceptance Test
 - CS – Commissioning & Support
 - PC – Project Close

The 'Tieto Way' Methodology



Name	Work	2017			2018									
		Q4 2017			Q1 2018			Q2 2018			Q3 2018			Q4 2018
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
▼ First Gas GTAC	9,600 h													
▶ Project Management (PM)	1,164 h													
▶ Product Fit Analysis (PFA)	1,176 h													
▶ Product Configuration & Integration (PCI)	4,080 h													
▶ System Test (ST)	1,600 h													
▶ Factory Acceptance Testing (FAT)	0 h													
▶ Site Acceptance Testing (SAT)	1,300 h													
▶ Commissioning & Support (CS)	280 h													
▶ Project Closure (PC)	0 h													

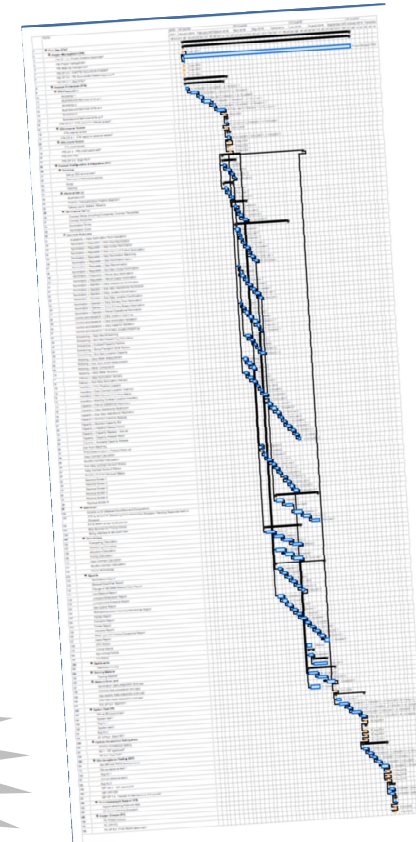
The 'Tieto Way' Methodology



Phases Dates & Detail

Name	Work	Duration	Start	Finish
▼ First Gas GTAC			8 Jan 2018	4 Oct 2018
▶ Project Management (PM)	9,600 h	194 d	8 Jan 2018	4 Oct 2018
▶ Product Fit Analysis (PFA)	1,164 h	194 d	8 Jan 2018	15 Mar 2018
▶ Product Configuration & Integration (PCI)	1,176 h	49 d	8 Jan 2018	9 Jul 2018
▶ System Test (ST)	4,080 h	92 d	2 Mar 2018	23 Aug 2018
▶ Factory Acceptance Testing (FAT)	1,600 h	33 d	10 Jul 2018	23 Aug 2018
▶ Site Acceptance Testing (SAT)	0 h	0 d	23 Aug 2018	25 Sep 2018
▶ Commissioning & Support (CS)	1,300 h	27.5 d	17 Aug 2018	2 Oct 2018
▶ Project Closure (PC)	280 h	5 d	25 Sep 2018	3 Oct 2018
	0 h	1 d	2 Oct 2018	

Our schedule
is based on
detailed
assumptions



The First Gas Project

Interfacing



Interfacing

[illegible][illegible]

- There are a number of methods of interfacing
 - Direct screen entry
 - Web Services
- As part of the PFA phase we will specify the format of these interfaces
- This will then allow you to make changes within your own applications
- Details to be shared by 11-Apr

Where possible,
existing logic will
be maintained

The First Gas Project

Testing Schedule



The 'Tieto Way' Methodology



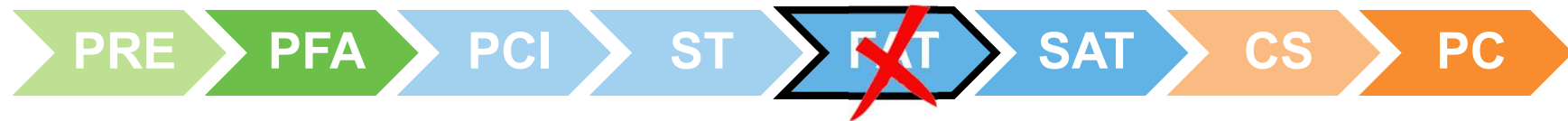
Name	Work	2017			2018									
		Q4 2017			Q1 2018			Q2 2018			Q3 2018			Q4 2018
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
▼ First Gas GTAC	9,600 h													
▶ Project Management (PM)	1,164 h													
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▶ Product Configuration & Integration (PCI)	4,080 h													
▶ System Test (ST)	1,600 h													
▶ Factory Acceptance Testing (FAT)	0 h													
▶ Site Acceptance Testing (SAT)	1,300 h													
▶ Commissioning & Support (CS)	280 h													
▶ Project Closure (PC)	0 h													

System Test



- **10-Jul to 23-Aug**
- Tieto responsibility
- Undertaken on Tieto premises
- Carried out against an agreed acceptance test specification (PFA Processes)
- Test preparation, loading of test data, perform system test (end-to-end internal testing of the configured solution), prepare documentation, possible rework, etc.
- Typically stop start, first attempt at a run through of end-to-end processes and configuration

Factory Acceptance Test



- Not included in this project

Site Acceptance Test



- **17-Aug to 25-Sep**
- Customer's responsibility to resource and test the product
- Undertaken on customer's premises
- This is the customer's opportunity to assure that the System functions according to the specification
- Tieto shall support this phase with assistance to the customer



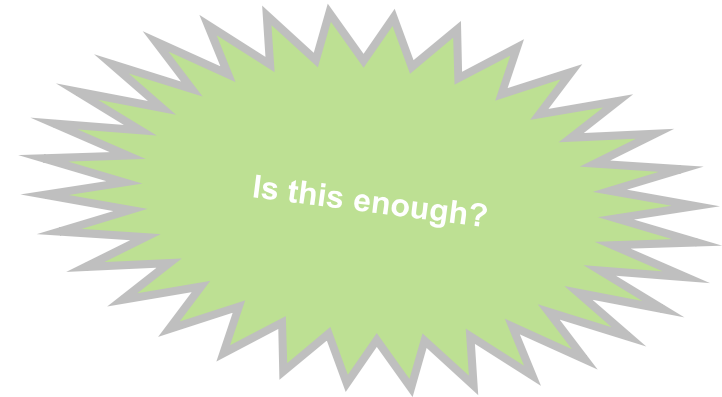
The First Gas Project

Training



Train the Trainer

- Tieto will be producing a user guide document on how to undertake the requested business processes using EC
 - This will take the form of annotated screenshots
- First Gas have selected a train the trainer approach
 - No classroom training scheduled
- SAT will be an opportunity to learn



The First Gas Project

Consultation Items



Consultation Items

1. Are nominations to be provided per zone/point or both? [\[Ref:021,022\]](#)
2. Do shippers require to distinguish nomination between the same TSA (multiple contract IDs under the same TSA)? [\[Ref:024\]](#)
3. Do shippers require a priority to be assigned to nominations? [\[Ref:052\]](#)
4. What data should be made available to Shippers, for example, Hrly GJ, Temp, Press, CV, UCTOT, CTOT, CORR etc. [\[Ref:068\]](#)
5. How many decimal places should reports to shippers contain? [\[Ref:071\]](#)

Thank you

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Changing perspectives™



Ref 022

Ref. 022 – Are there benefits to allow nominations to points belonged to a zone be entered or should points that belong to a zone not be allowed to receive nominations? Point 1 on example below.

Example: A shipper may send the following:

Date	Contract	Location	Nominated Quantity
12/Feb/2018	1020	Zone A	10,000
12/Feb/2018	1020	Point 1	1,000
12/Feb/2018	1020	Point 20	5,000
12/Feb/2018	1020	Point 30	2,000

Note: Point 1 belongs to Zone A, Point 20 belongs to Zone C, Point 30 is dedicated OBA

For the GTAC, this means:

Date	Location	Nominated Quantity
12/Feb/2018	Zone A	11,000
12/Feb/2018	Zone C	5,000
12/Feb/2018	Point 30	2,000

Ref 024

Ref. 024 - Do shippers require to distinguish nomination between the same TSA (multiple contract IDs under the same TSA)?

Example: A shipper may send the following:

Date	Contract	Contract Type
12/Feb/2018	1020	TSA
12/Feb/2018	1020	TSA
12/Feb/2018	1025	TSA
12/Feb/2018	1030	Interruptible Agreement

Ref 055

.....
Ref. 055 – The priority field for shippers to indicate priority per nomination (1 is high), does it match the expectations?
.....