SmartPlant Instrumentation

Web API

David Kaiser – Schematics Product Owner

5-Phase Plan

Phase 0

Windows 10 compatible

.NET migration

June 2018

Phase 1

SaaS Admin

June 2018 (1st release)

Phase 2

SaaS Read-only (Web APIs)

1H 2018 (1st release)

Phase 3

SaaS Engineering Data Entry (Write Web APIs)

In-progress

Phase 4

SaaS Graphical Data Entry

In-research

HEXAGON
PPM
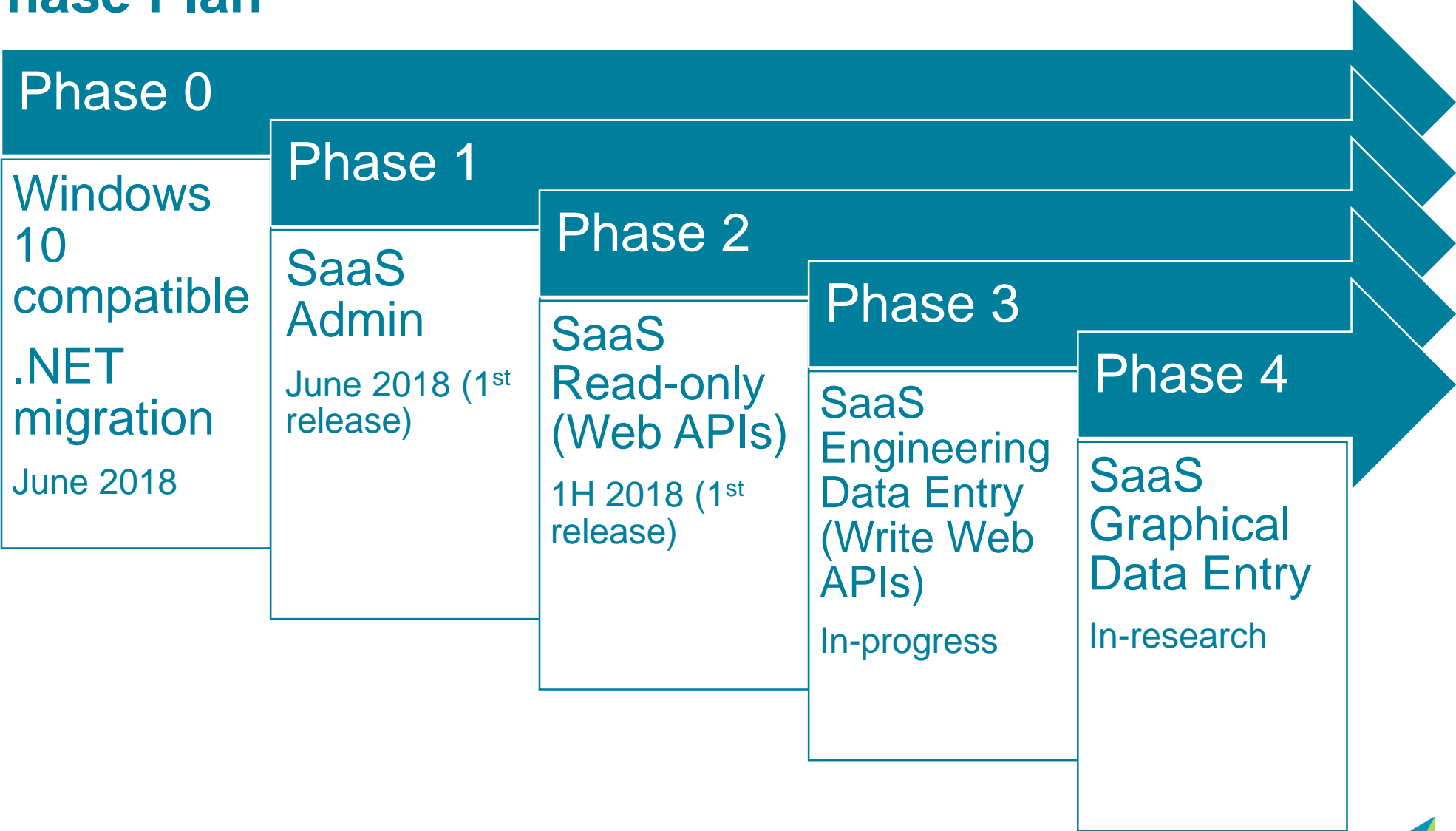
SmartPlant Instrumentation – Roadmap

- Intergraph Smart® Instrumentation: Q2 2018
- New Backup/Restore platform
- New and enhanced upgrade technology
- New .NET ESR
  - Same Explorers as in main app
- WebAPIs
  - First release: Q1 2018
  - Baseline: SPI v2016 SP1
  - Continuous releases

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Web API with Postman

Web API – Sample Using Postman

Web API with Power BI

File Home Modeling Help

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Paste | Cut | Copy | Format Painter — Clipboard

Get Data | Recent Sources | Enter Data | Edit Queries | Refresh — External data

New Page | New Visual | Ask A Question | Text box | Image | Shapes — Insert

From Marketplace | From File — Custom visuals

Manage Relationships — Relationships

New Measure | New Column | New Quick Measure — Calculations

Publish — Share

e_14356	Cmpnt_Cat_Id_355	Cmpnt_Certif_Id_356	Cmpnt_Critical_Id_357	Cmpnt_Drawing_Seq_358	Cmpnt_Find_Rem_359	Cmpnt_Func_Type_Desc_12194	Cmpnt_Func_Type_Id_360	Cmpnt_Func_Type_Name_14158
	Conventional		None			ALARM SIGNAL	ALARM - ALARM SIGNAL (General)	ALARM
	Conventional		None			D/P TYPE FLOW ELEMENT	FE - D/P TYPE FLOW ELEMENT (Flow)	FE
	Conventional		None			D/P TYPE FLOW TRANSMITTER	FT - D/P TYPE FLOW TRANSMITTER (Flow)	FT
	Conventional		None			I/P TRANSDUCER	FY - I/P TRANSDUCER (General)	FY
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	Conventional		None			I/P TRANSDUCER	FY - I/P TRANSDUCER (General)	FY

TABLE: Instruments (142 rows)

FIELDS

Search

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▷ CableSets
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  Backup_Link_Master...
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  Calib_Range_Uflg_M...
  Calib_Range_Uom_...
  Calib_Range_Uom_...
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  Cmpnt_Cat_Id_355
  Cmpnt_Certif_Id_356
  Cmpnt_Critical_Id_357
  Σ Cmpnt_Drawing_Se...
  Cmpnt_Find_Rem_359
  Cmpnt_Func_Type_D...

PowerBI - SPI API - Power BI Desktop

File | Home | View | Modeling | Help

David Kaiser

Paste | Cut | Copy | Format Painter — Clipboard

Get Data | Recent Sources | Enter Data | Edit Queries — External data

Refresh

New Page | New Visual | Ask A Question | Text box | Image | Shapes — Insert

From Marketplace | From File — Custom visuals

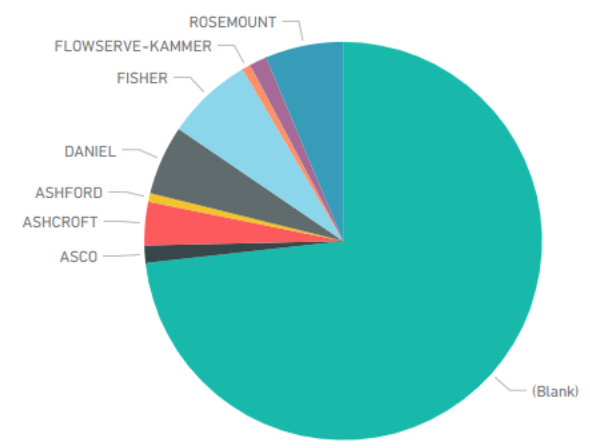Switch Theme — Themes

Manage Relationships — Relationships

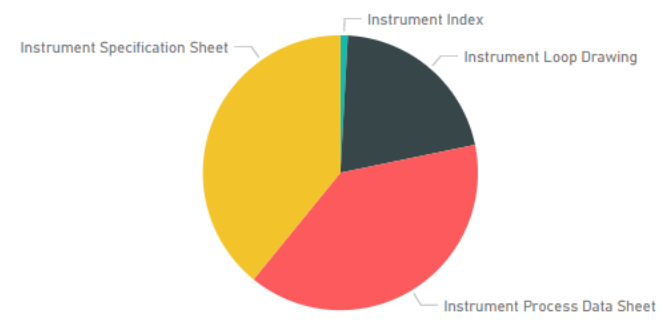New Measure | New Column | New Quick Measure — Calculations

Publish — Share

Cmpnt_Func_Type_Na...

- ☐ ALARM
- ☐ FE
- ☐ FI
- ☐ FT
- ☐ FV
- ☐ FY
- ☐ HV
- ☐ HY
- ☐ JS
- ☐ LI
- ☐ LT
- ☐ LV
- ☐ LY
- ☐ M
- ☐ PC
- ☐ PI
- ☐ PRV

Cmpnt_Mfr_Id_365

- ☐ (Blank)
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- ☐ ASHCROFT
- ☐ ASHFORD
- ☐ DANIEL
- ☐ FISHER
- ☐ FLOWSERVE-KAMMER
- ☐ MASONEILAN
- ☐ ROSEMOUNT

Cmpnt_Name_367

101-ALARM-001
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101-FE -102
101-FE -1122
101-FE -1133
101-FE -201
101-FE -2212
101-FE -2213
101-FE -2214
101-FE -905
101-FE -906
101-FE -907
101-FE -908
101-FE -909
101-FE -910
101-FE -919
101-FE -R001

142

Count of Cmpnt_Name_367

Count of Cmpnt_Name_367 by Cmpnt_Mfr_Id_365

ROSEMOUNT
FLOWSERVE-KAMMER
FISHER
DANIEL
ASHFORD
ASHCROFT
ASCO
(Blank)

Count of Dwg_Name_645 by Document_Type_Id_13911

Instrument Specification Sheet
Instrument Index
Instrument Loop Drawing
Instrument Process Data Sheet

VISUALIZATIONS | FIELDS | FILTERS

Page 1 | Instruments

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Thank You!

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