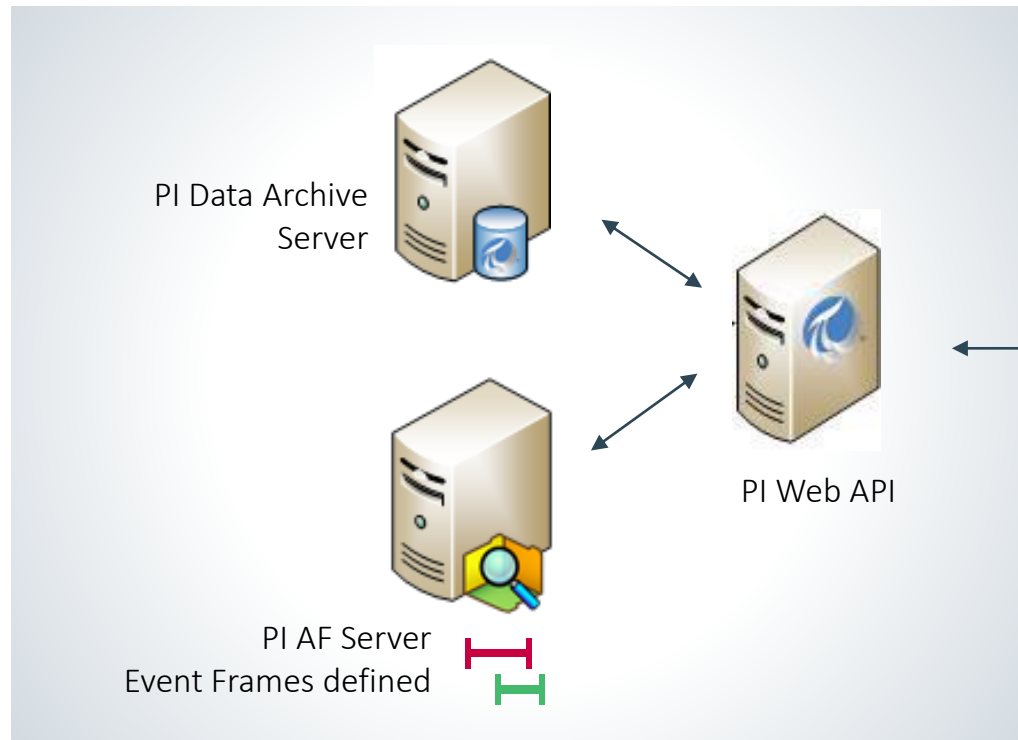


IoT needs You and Me!



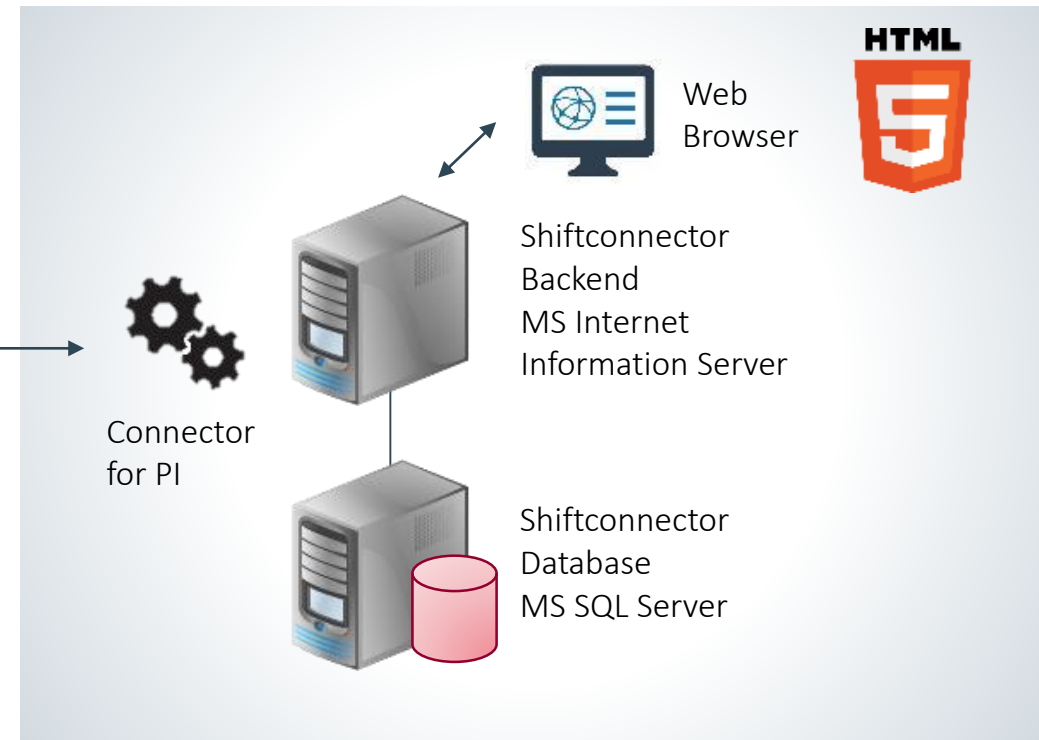
PI System and Shiftconnector®



PI System
OT Level 3



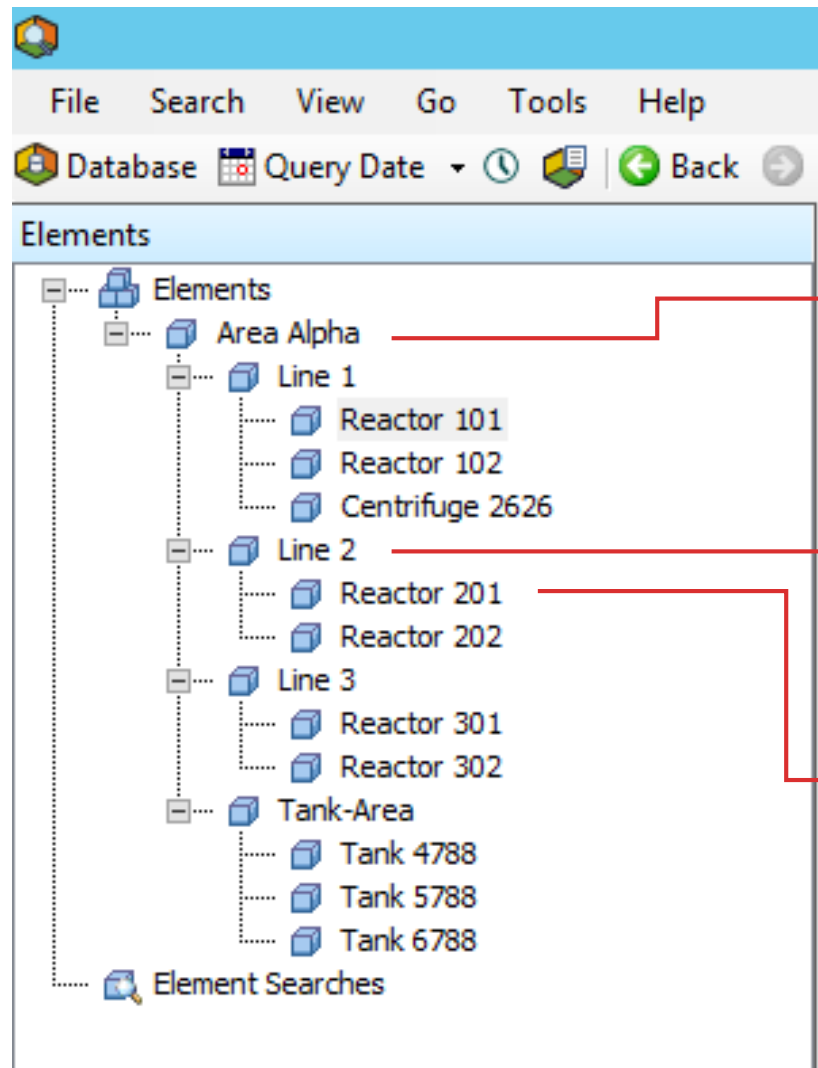
SHIFTCONNECTOR® io



Shiftconnector
OT Level 4

eschbach

High Level Mapping PI Asset Framework – Shiftconnector®



ISA-88

1: Shiftconnector Instance: Enterprise Level

2: Shiftconnector-Tenant: Area

SHIFTCONNECTOR® io

360° Overview Events 1 Tasks 15 Instructions 21 Plant status

Infoboard

Area Alpha

Overview Shift Superv...

Personnel

Review Book

Line 1

Line 2

Line 3

Overrides

Roundtrips

Checklist

SAP-PM

Laboratory

Daily Production Meeti...

Process Data

Insights

Plant status

Current Shift ☐ Fri, 09-04-2020 9:59 AM 31

Functional Location	Product	Status
Reactor 101	Antimony trioxide	Failure
Fri, 09-04-2020 10:09 AM		Out of serv
Fri, 09-04-2020 10:09 AM	Sodium iodate	In operation

3: Area

4: Process Cell

Line 2

Start/End or Open	Functional Location	Product	Status
Fri, 06-26-2020 7:57 AM	Reactor 201		Out of serv
Fri, 09-04-2020 10:11 AM	Reactor 202		In operation

5: Unit

Line 3

Start/End or Open	Functional Location	Product	Status
Fri, 09-04-2020 10:08 AM	Reactor 301		Out of serv

PI Asset Framework Integration with Shiftconnector Plant Status

Reactor 101

General | Child Elements | **Attributes** | Ports | Analyses | Notification Rules | Version

Filter

Name	Value
ErrorCode	137
Product	Antimony trioxide
RPM	0
Status	Failure

Plant status Current Shift ☐ Fri, 09-04-2020 9:59 AM 31

Line 1

Start/End or Open	Functional Location	Product	Status	Priority	Description
Tue, 07-07-2020 4:52 AM	Reactor 101	Antimony trioxide	Failure	High	Back online since 10:30
Fri, 09-04-2020 10:52 AM	Reactor 102		Out of service	Medium	
Fri, 09-04-2020 10:09 AM	Centrifuge 2626	Sodium iodate	In operation	Low	

Line 2

Start/End or Open	Functional Location	Product	Status	Priority	Description
Fri, 09-04-2020 10:08 AM	Reactor 201		Out of service	Medium	Offline needs attention
Fri, 09-04-2020 10:09 AM	Reactor 202	Sodium iodate	In operation	Low	Returned to operation after Routine Maintenance

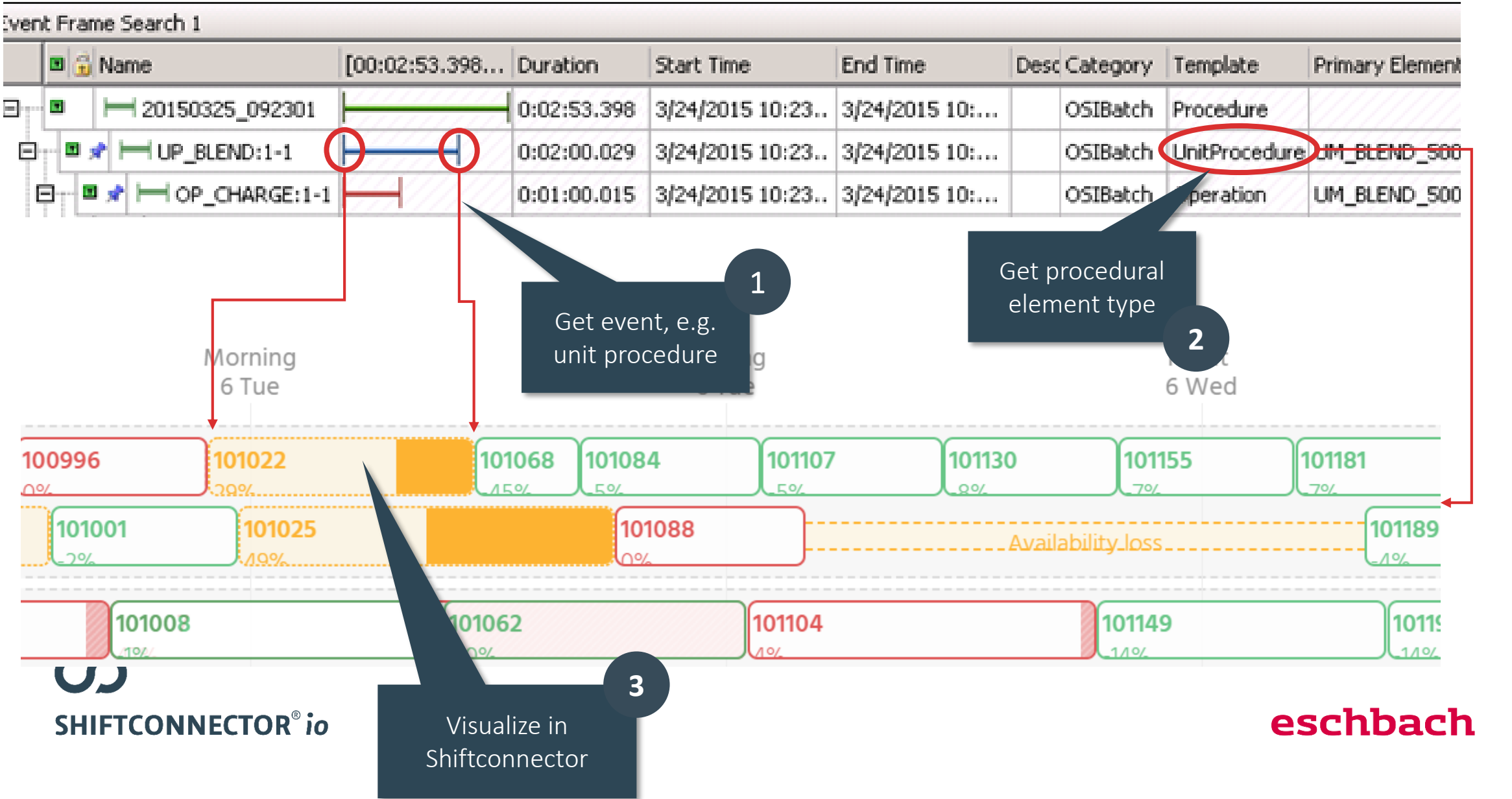
Tanks

Start/End or Open	Functional Location	Product	Filling level (%)	Priority	Description
Tue, 06-16-2020 9:11 AM	Tank 4788	Sodium iodate	75	Medium	Tank above minimum level required
Fri, 09-04-2020 10:07 AM	Tank 5788	Bismuth oxide	30	High	Product is running short
Fri, 09-04-2020 10:10 AM	Tank 6788	Antimony trioxide	60	Medium	

Annotations:

- 1 Get Tag value e.g. filling level
- 2 Visualize in Shiftconnector
- 3 Annotate for next shift and escalate to senior team

OSI Pi Event Frames Interaction with Shiftconnector ioP.OEE



We Can Help! Contact us!



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