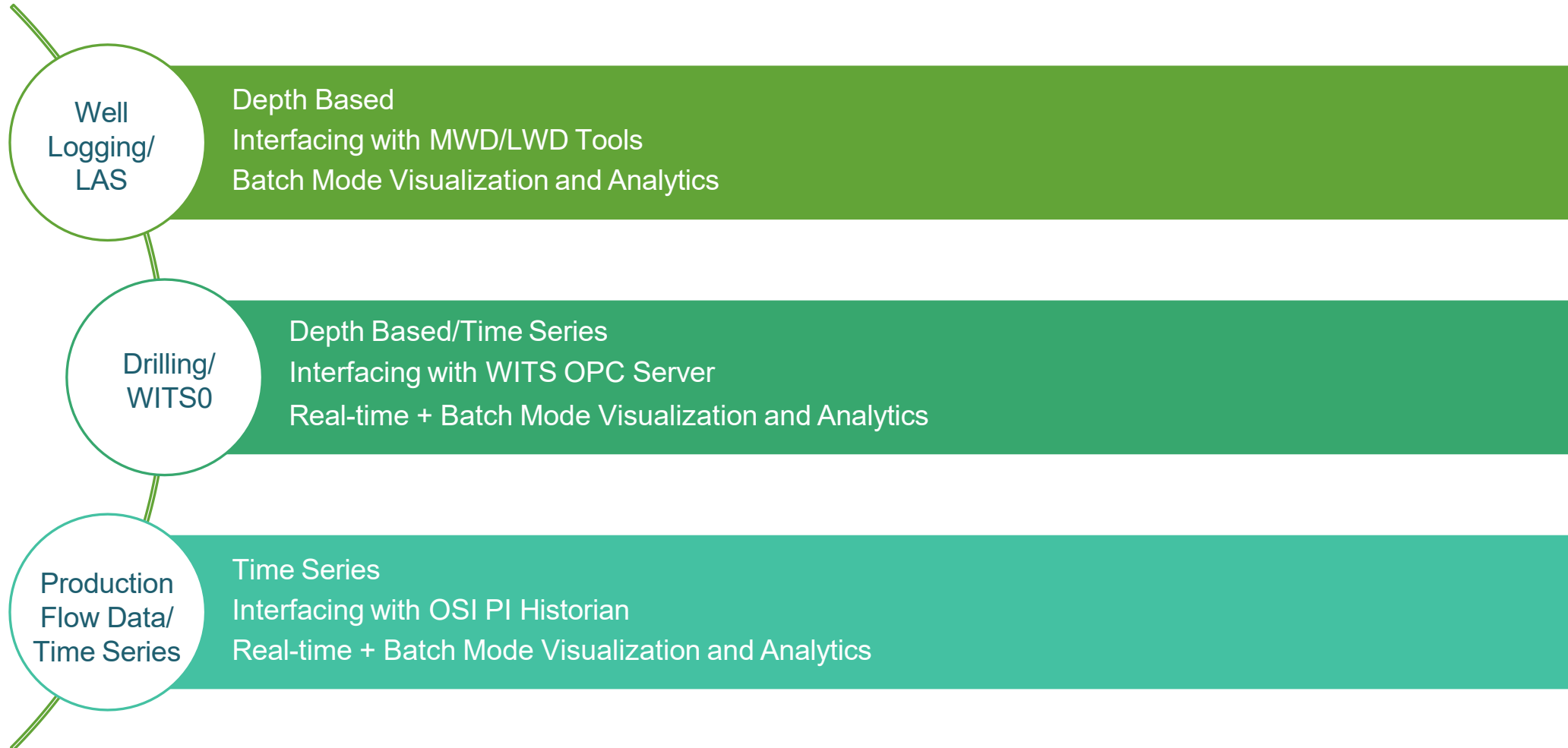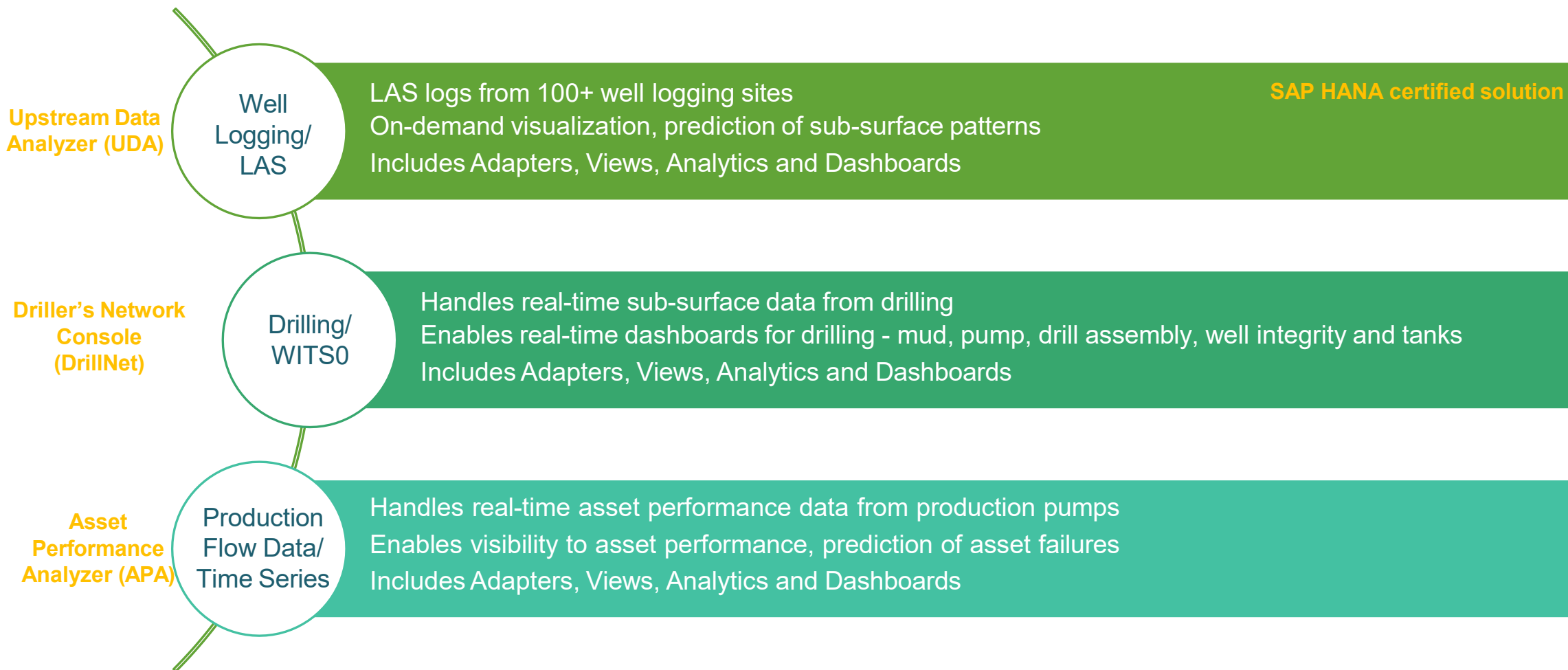**Applied Analytics for Digital Enterprises**

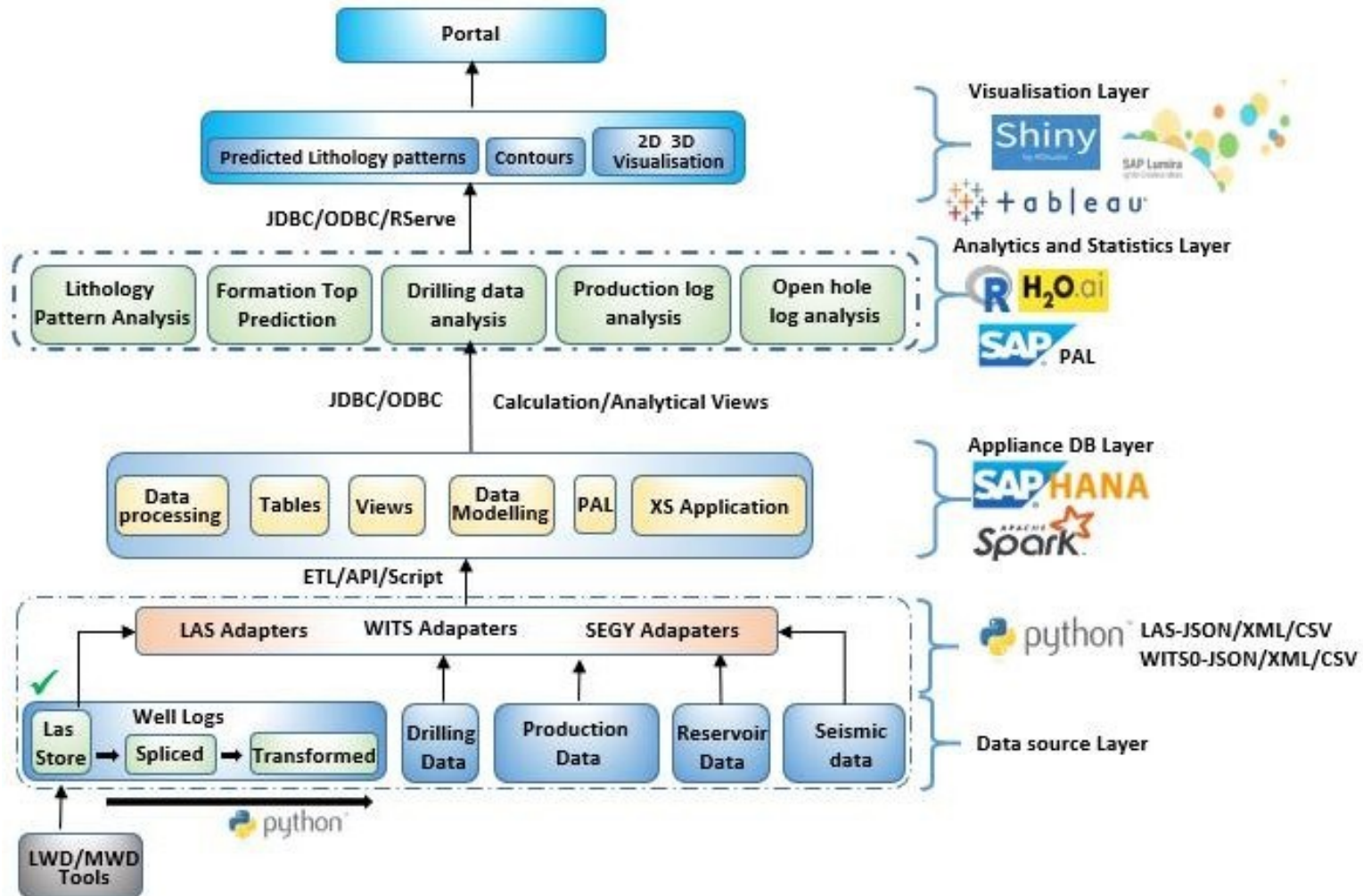# Real Time Analytics (RTA)
Offshore Oil Field Operations

Key RTA Solutions in Oil and Gas

Well Logging/ LAS

Depth Based
Interfacing with MWD/LWD Tools
Batch Mode Visualization and Analytics

Drilling/ WITS0

Depth Based/Time Series
Interfacing with WITS OPC Server
Real-time + Batch Mode Visualization and Analytics

Production Flow Data/ Time Series

Time Series
Interfacing with OSI PI Historian
Real-time + Batch Mode Visualization and Analytics

Key RTA Solutions in Oil and Gas

Upstream Data Analyzer (UDA)

Well Logging/ LAS

LAS logs from 100+ well logging sites
On-demand visualization, prediction of sub-surface patterns
Includes Adapters, Views, Analytics and Dashboards

SAP HANA certified solution

Driller's Network Console (DrillNet)

Drilling/ WITS0

Handles real-time sub-surface data from drilling
Enables real-time dashboards for drilling - mud, pump, drill assembly, well integrity and tanks
Includes Adapters, Views, Analytics and Dashboards

Asset Performance Analyzer (APA)

Production Flow Data/ Time Series

Handles real-time asset performance data from production pumps
Enables visibility to asset performance, prediction of asset failures
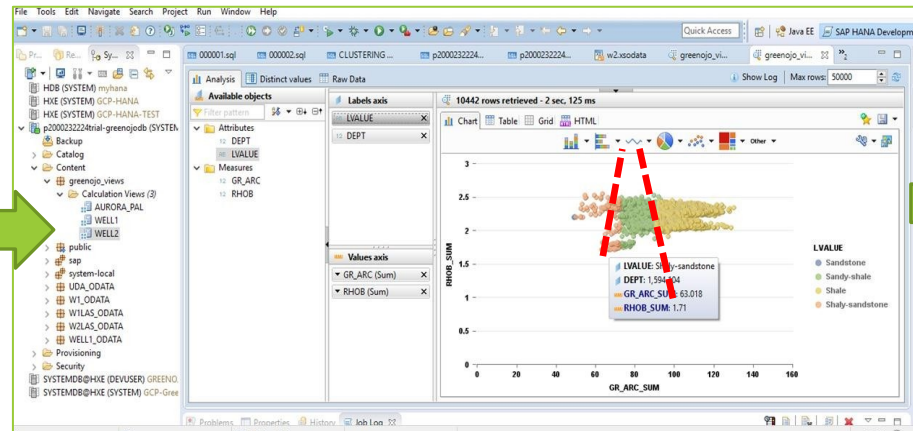Includes Adapters, Views, Analytics and Dashboards

Solution 1 - RTA from Well Logging Operations

Solution 1 - RTA from Well Logging Operations

Automation Scripts

(Spliced➔ Merged➔ Transformed)

Calculation/ Analytical Views

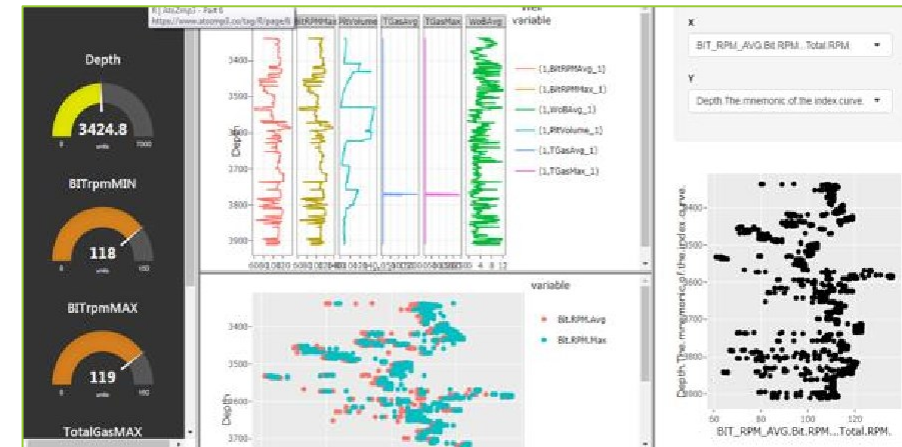SAP HANA

Interactive Dashboards
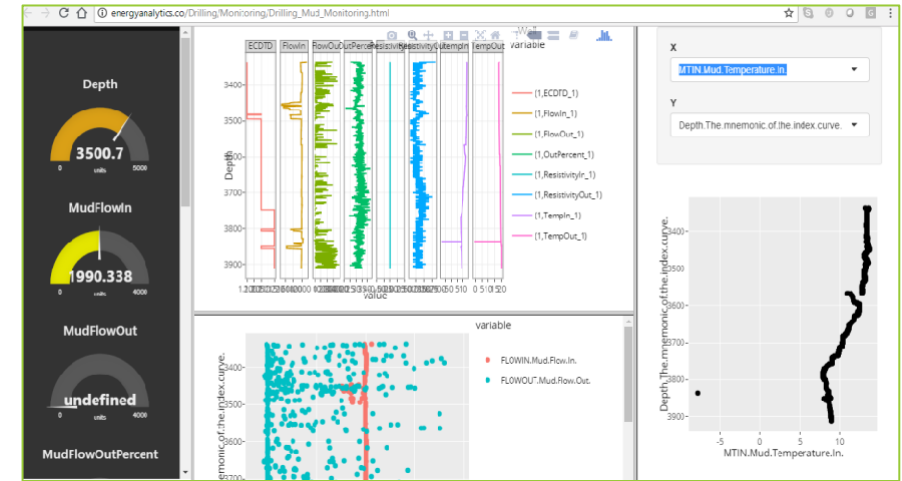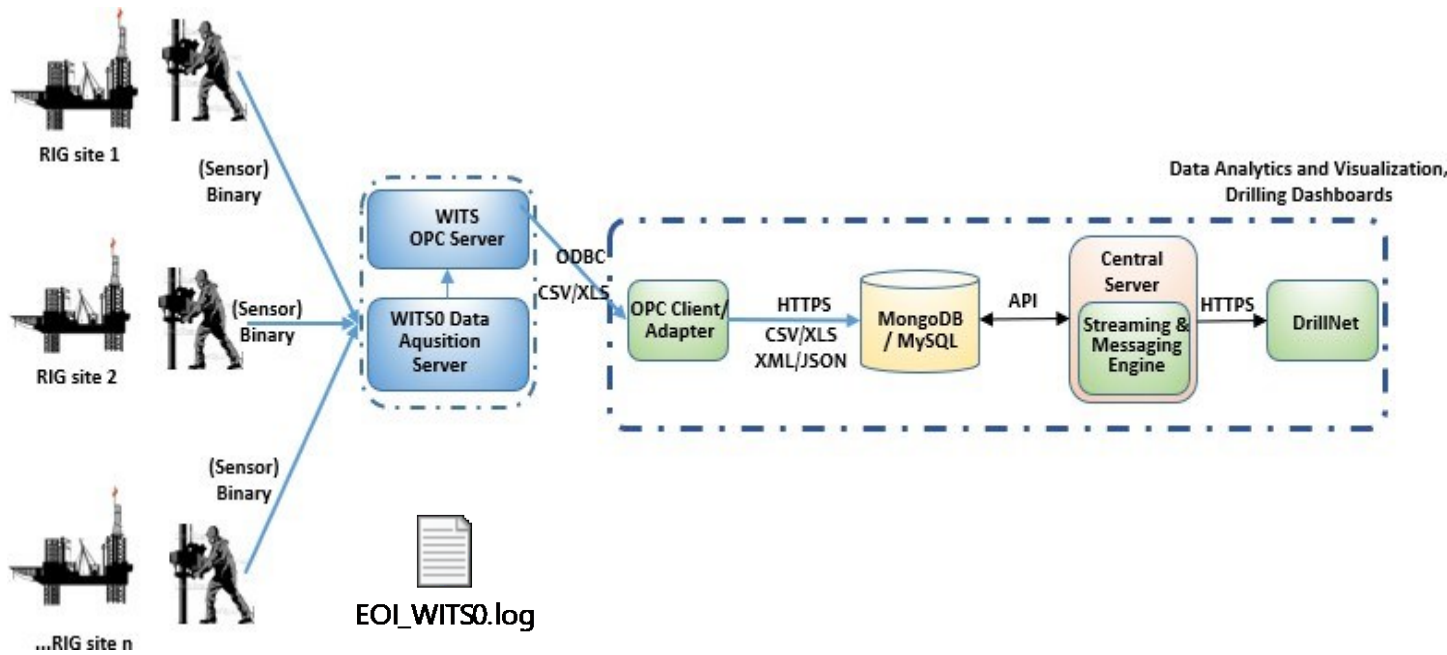
SAP Lumira/ Tableau
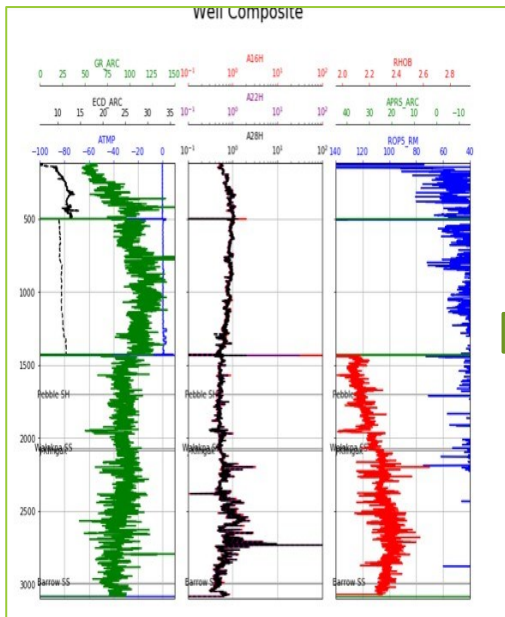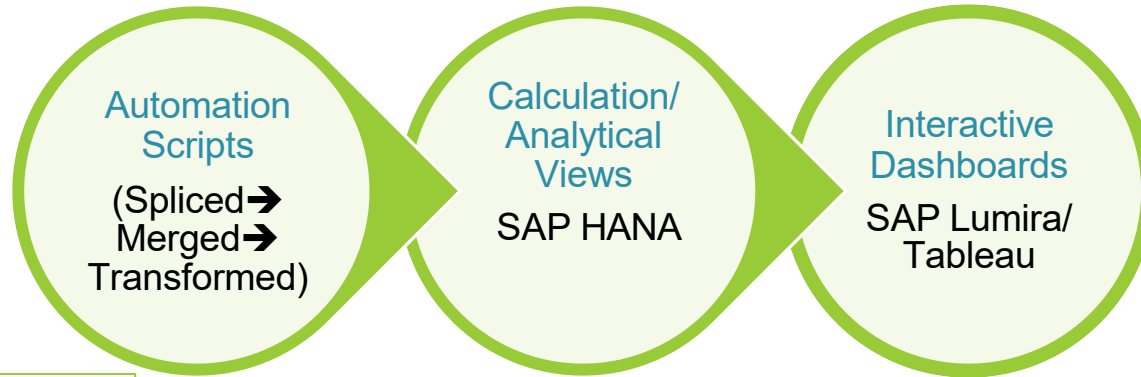
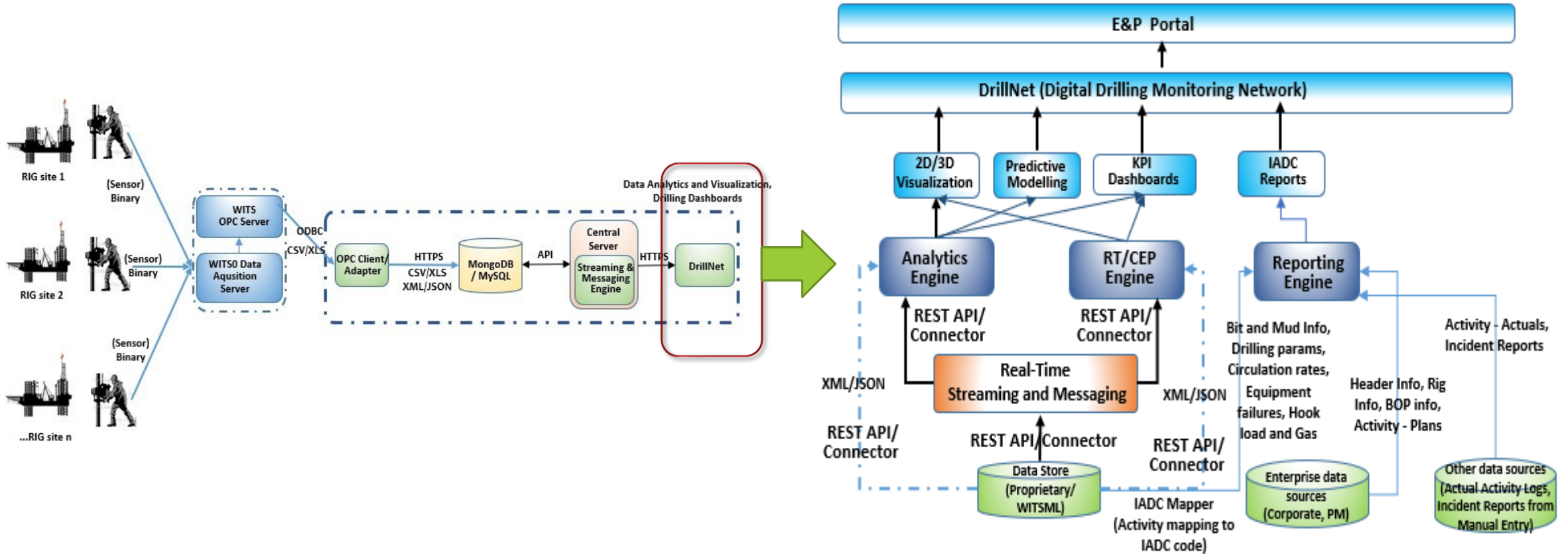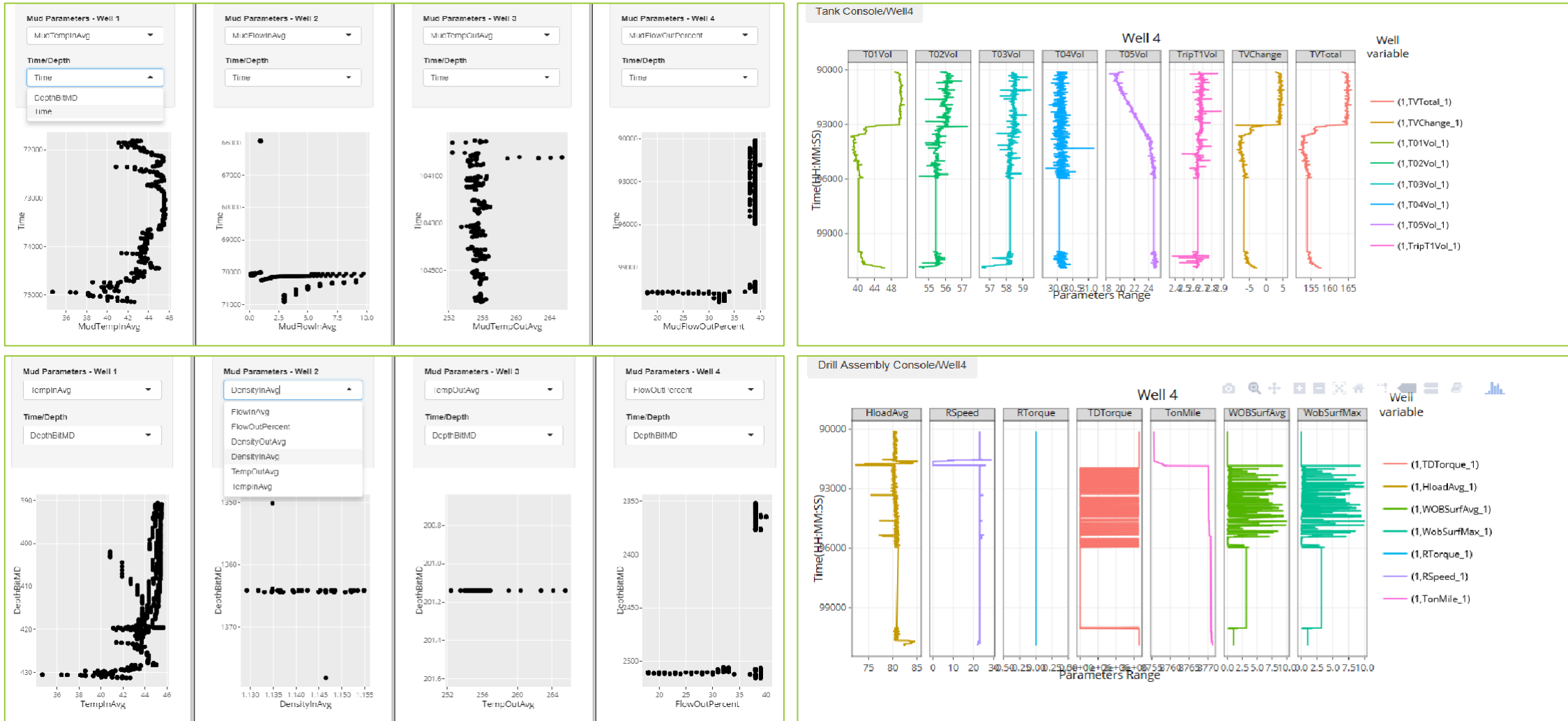Automation Scripts

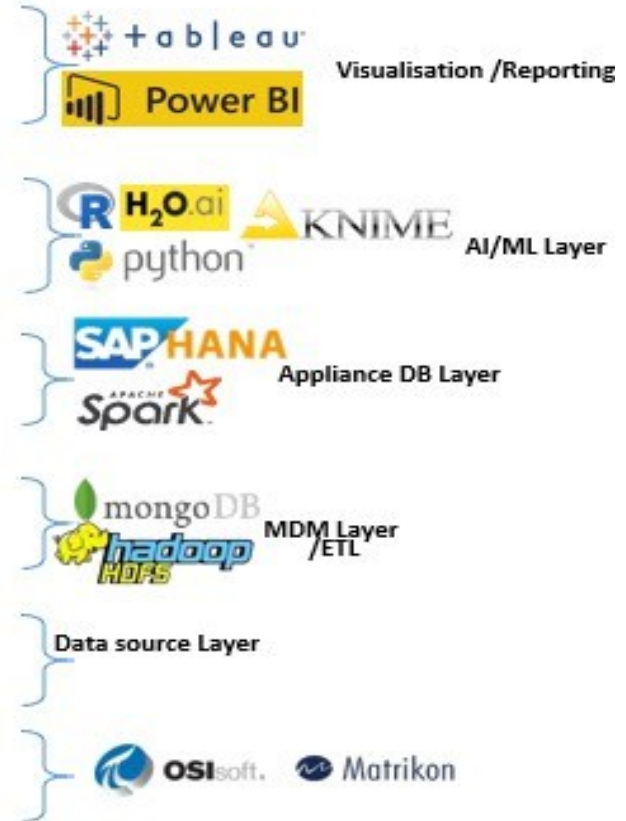Calculation/Analytical Views
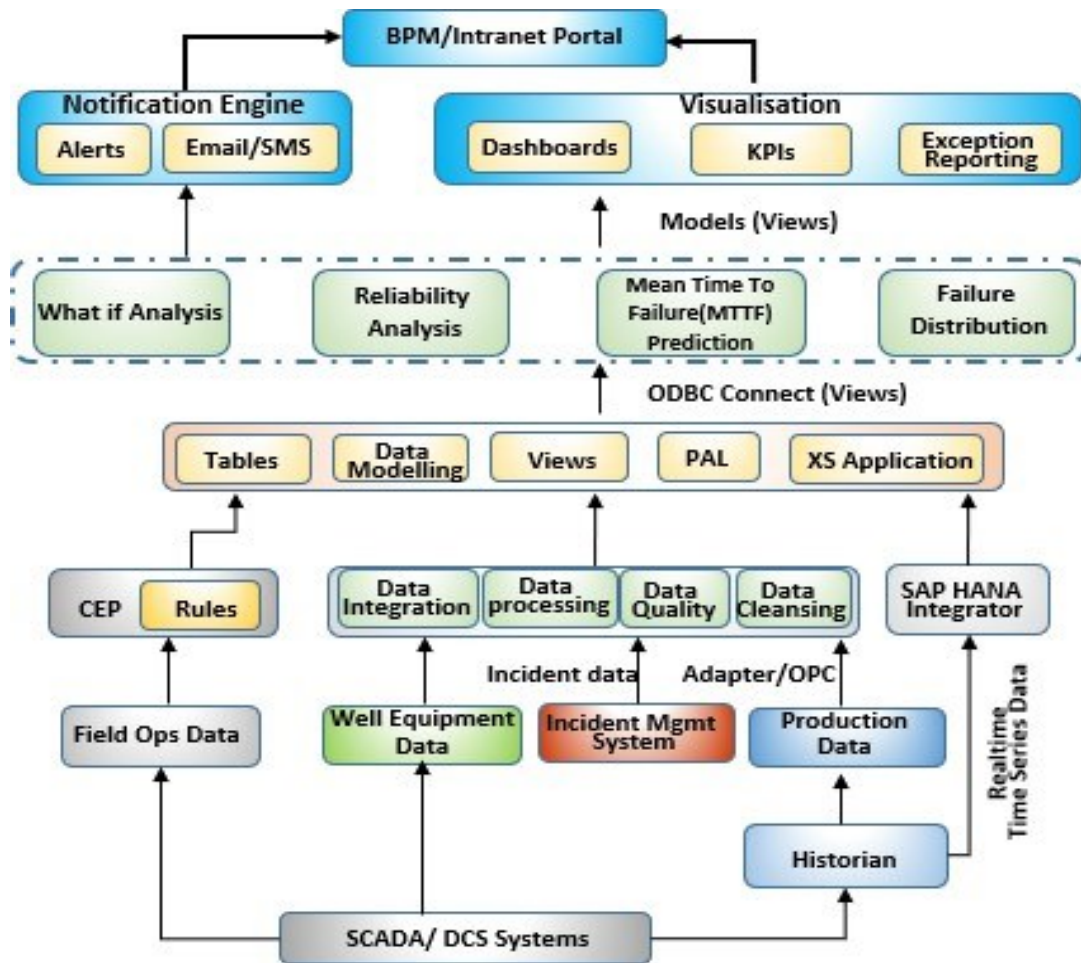
Tableau

Solution 2 - RTA from Drilling Operations

Solution 2 - RTA from Drilling Operations

Solution 2 - RTA from Drilling Operations

Solution 3 - RTA from Production

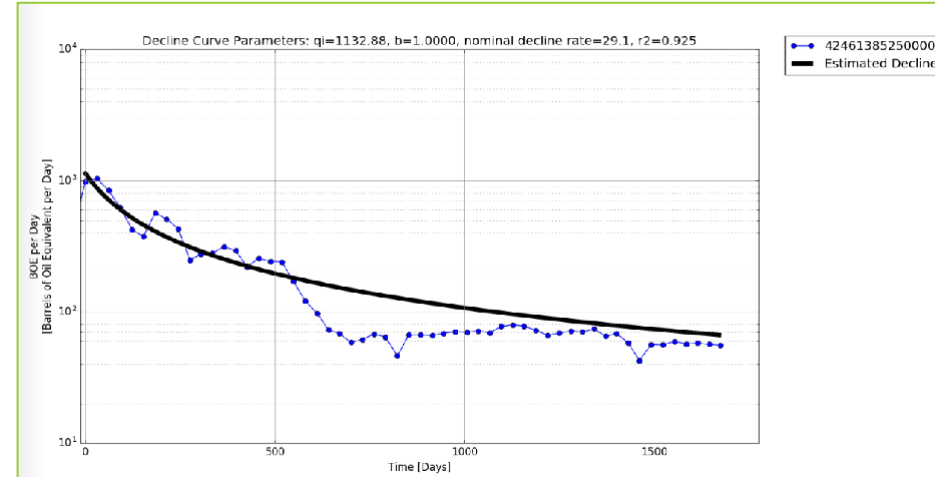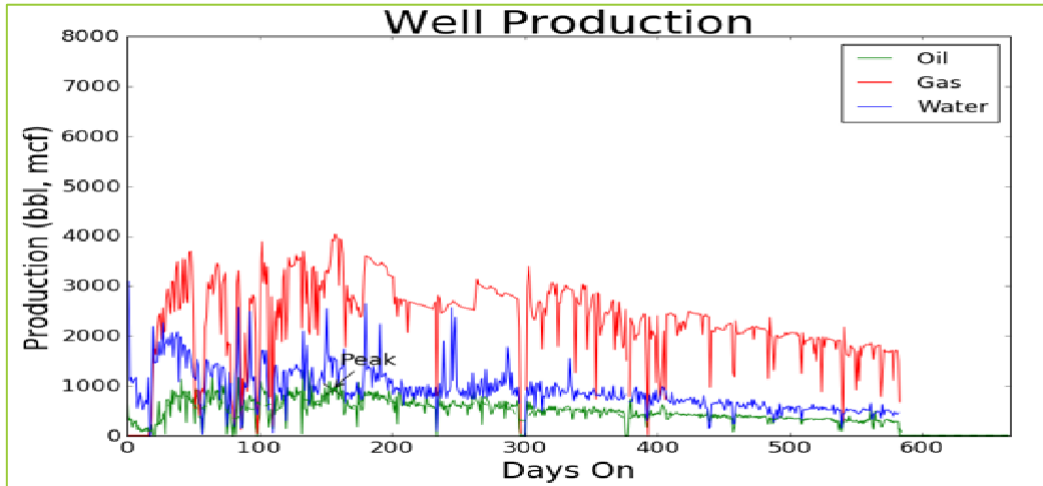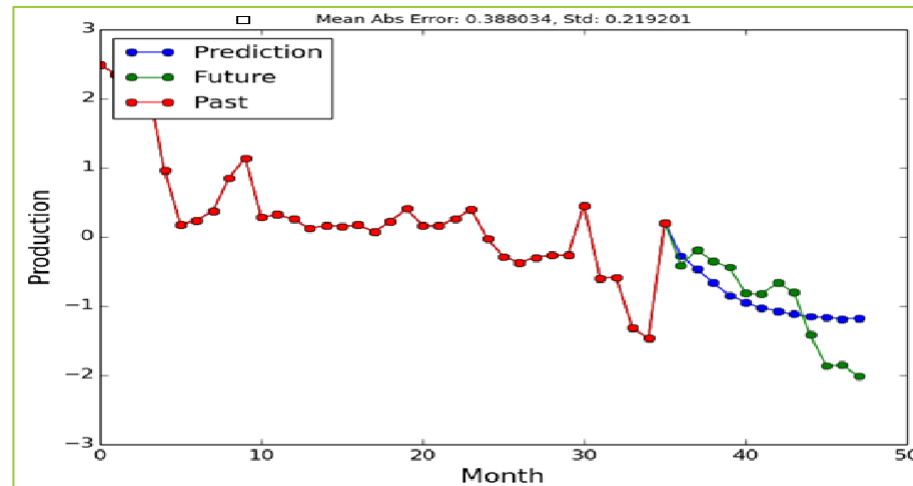# Solution 3 - RTA from Production

Other alternatives for RTA on top of OSI PI Historian
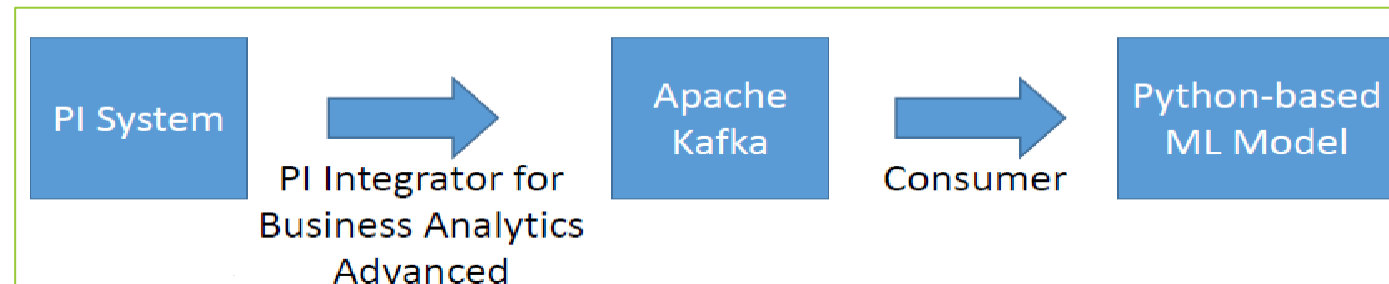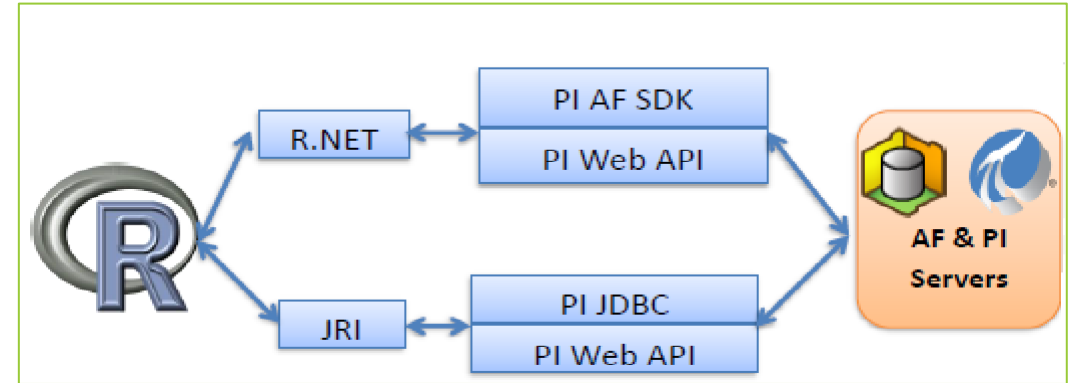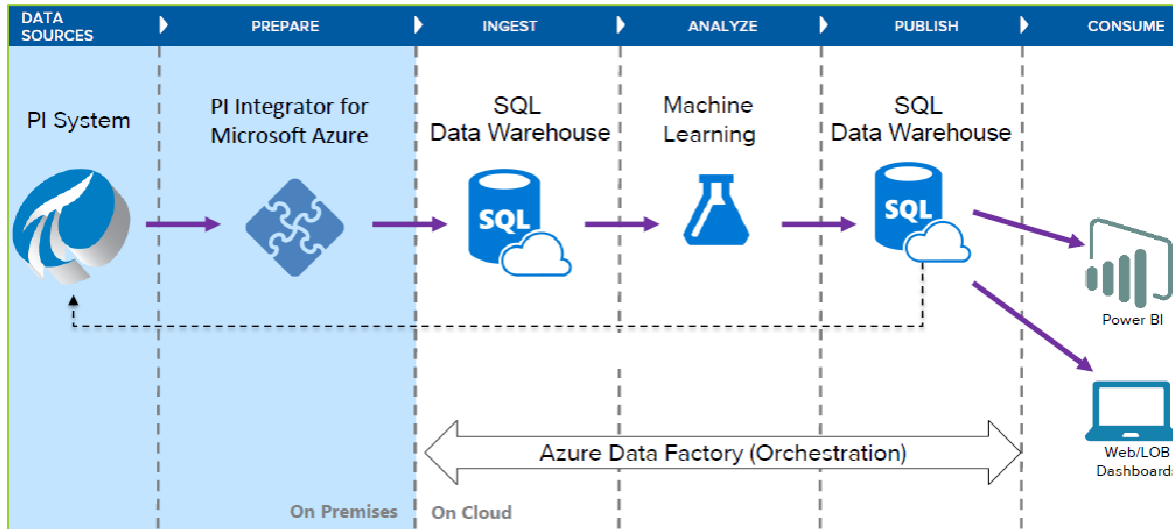
Solution 3 - RTA from Production

- ➢ Convolutional Neural Network (CNN)
- ➢ Multilayer Perceptron (MLP)
- ➢ Recurrent Neural Network (RNN)
- ➢ Restricted Boltzmann Machine (RBM)

Industry Recognition

ENERGISTICS
ADOPT > ADVANCE > ACCELERATE

https://www.energistics.org/wp-content/uploads/2018/07/Community-Headlines-July-2018.pdf

SAP.startup.focus.

https://news.sap.com/2017/05/sap-startup-focus-drives-enterprise-innovation-exceeds-5500-startup-members/

IDC | ANALYZE THE FUTURE

https://blogs.saphana.com/2017/10/18/combining-oltp-olap-real-time-data-streaming-realize-promise-iot/

SAP | SAP HANA Blog

https://blogs.saphana.com/2017/10/18/combining-oltp-olap-real-time-data-streaming-realize-promise-iot/

Applied Analytics for Digital Enterprises

Thank You

Greenojo provides Automation, Analytics and AI solutions to enterprise customers

For RFPs, Solutions and Sales/Partner
enquiries, connect us at - *sales@greenojo.com*