

Intelligent PlantTM

Inform, Enhance, Grow. Intelligently.

Helping you Improve production from existing Assets.

Topsides 2017



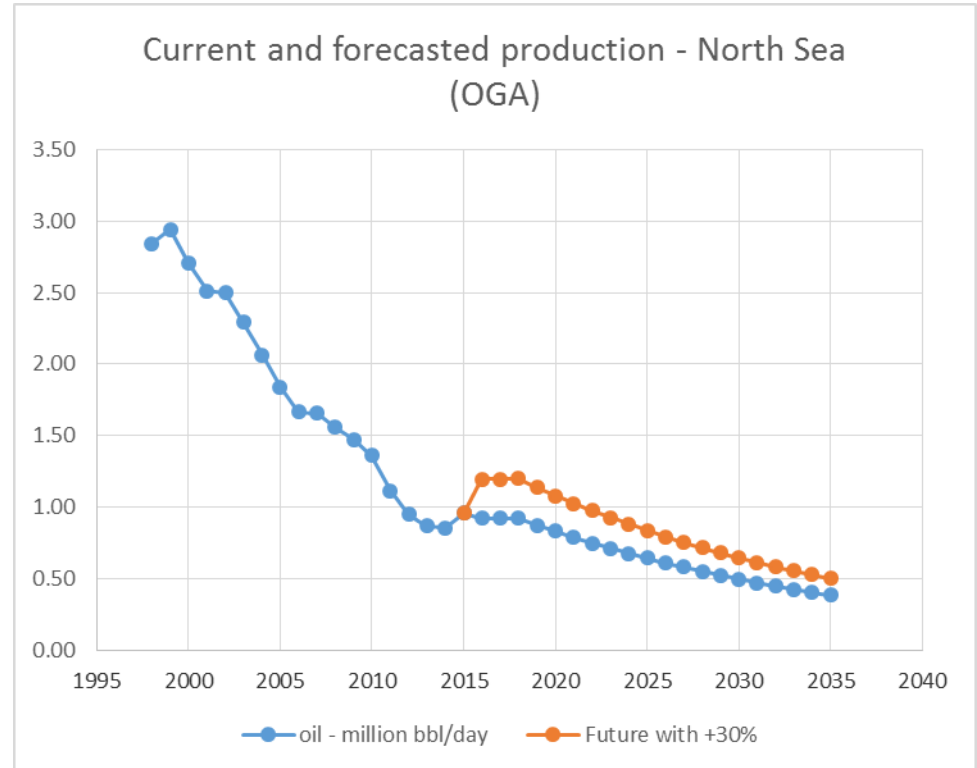
OSIsoft
partner



What is the Size of the Prize

What can we do for Oil and Gas –

- Optimise, and reduce downtime
 - We already appear to have improved production efficiency but there is still plenty room for improvement
- With a 30% improvement —
 - The increase in production up to 2035 is **1.4 billion barrels** of oil
 - That's **\$56.7 billion** at \$40 per barrel



Appstore.intelligentplant.com

Topsides_UK_2017_Full_C

Intelligent Plant Industries

https://appstore.intelligentplant.com/#!/

MoreNew TabComputer ConsultingEnvironments -ipdevd2d/ipaaa/Intelligent Plant TradeZykel wifi homeplug[4.4.4] MIUI V6 For MTFsc code Generator -sprite

Other bookmarks

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

Home

My Account

Developer

Admin

App Store Wiki

Help

Industrial App Store

44118.6Steve Aitken

Connected Applications

Ding!

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

Monitor your plant and receive notifications when events occur.

☆☆☆☆☆

App Store Connect

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

Easily connect your data to the App Store and share it with apps and other users.

☆☆☆☆☆

Controller Consultant

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

Understand how to best manage your controllers, do they need tuning? Are they over-tuned? The answer is within.

☆☆☆☆☆

Gestalt PnID

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

Create high resolution Process and Instrumentation Diagrams with data-bound animations to give a real-time picture of your plant's performance.

☆☆☆☆☆

Gestalt Trend

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

A trending package which immerses you in your process data. Configure data sources then switch between multiple views for in-depth analysis.

☆☆☆☆☆

Alarm Analysis Pro

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

Drill down reports and detailed tag analysis facilitate quick identification of bad actors and problem areas, freeing you to troubleshoot.

☆☆☆☆☆

Surge

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

Understand compressor performance, and display current conditions with minimal instrumentation (no composition required)

☆☆☆☆☆

Valve Signature Tool

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

Get EEMUA 191 / ISA 18.2 Alarm Reports with a detailed tag by tag analysis provided by our engineers. Only 1770 IP credits.

★★★★★

Wax Intelligence

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

Determine if your process is building up wax, real-time and historical.

☆☆☆☆☆

Offline Applications

Alarm Analysis Lite

Intelligent Plant

Alerts, Enhance, Grow, Intelligently

£££

Get Free IP Credits!

Refer a colleague

Share App Store

Follow Intelligent Plant

The App Store Business Model



Operators are charged nothing to connect
(encourages connections and use)



Application Developers are charged nothing for
access to data (encourages development)

Note: Access was difficult to achieve alone in the past



Operators can “try” and verify an app at very little cost and
then gain value only paying for apps that they know work



90% of the cost
is transferred
to the developer



10% is taken by the App Store
(Intelligent Plant) £

Architecture

Open Platform

- Anyone can develop apps
- Evaluation made easy
- Best in class floats to top
- Zero initial fees



Industrial App Store



Cyber Security



Your Business Network

App Store Connect



Your Historian



Historian



OSI PI/PI AF



IP21



PHD



OPC Servers

IP Historian



Historian

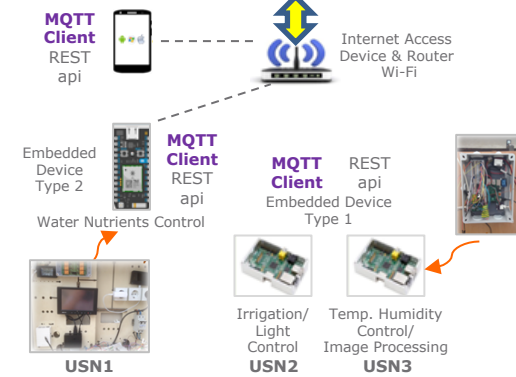
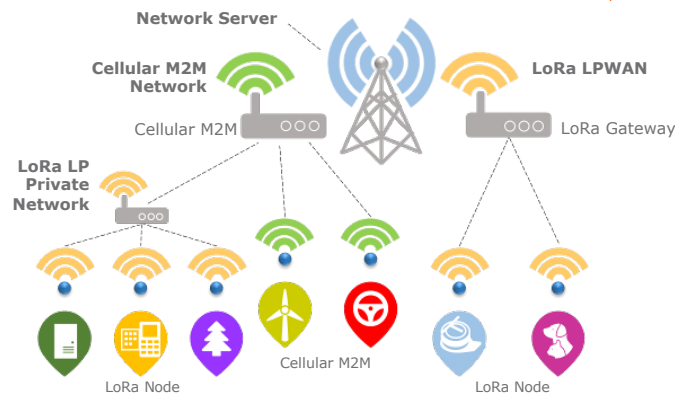
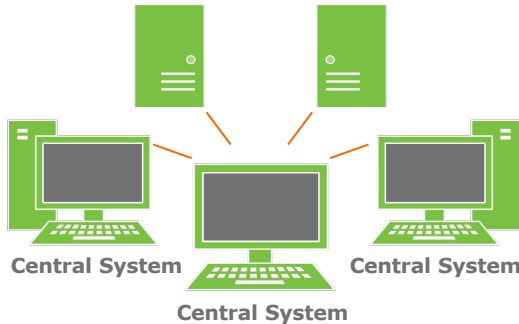


Firewall

Your Process Network

Site Alarm & Event Feed

Site Historian



Existing Apps to spur on ideas:

Wax
Intelligence

Intelligent Plant™
Inform, Enhance, Grow. intelligently.

Determine if your process is building up wax, real-time and historical.



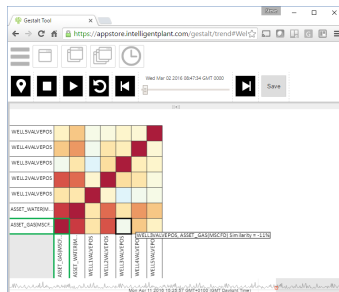
Wax intelligence - Alerting engineers to the possible build-up of wax in pipelines, saving a potential cost of over **\$10,000,000**.

Uptime Intelligent Plant™
Inform, Enhance, Grow. intelligently.

Detailed report of events leading up to equipment failure aggregating years of data. This service will help you to improve uptime or you can get your money back.



Uptime - Analyse data around equipment failures,
Avoiding 40% of trips
saving **\$2,240,000 per compressor per year**



Gestalt Trend - Understand well performance through data relationships, increasing production by at least 1%
Making: **\$2,920,000 per year**

Controller
Consultant

Intelligent Plant™
Inform, Enhance, Grow. intelligently.

Understand how to best manage your controllers, do they need tuning? Are they over-tuned? The answer is within.



Controller Consultant - Improve control and reduce maintenance
Reduced cost/ less lost production, numbers still being worked.

http://appstore.intelligentplant.com

- Anyone can log in to see what is available and try it.

