

British Gas Smart Meter roll out and the Value Obtained from OSIsoft's Enterprise Agreement (EA) Programme

Presented by lain Boba



### Smart Meters – Revolutionising the way you see your energy

At British Gas we want to help curstomers engage with their energy usage, cut back on waste to make savings on their bill. That's why we're leading the way in the nation's smart meter upgrade







#### **Business Challenge**

 Replace over16 million traditional meters with Smart Meters in 12 million homes by 2020, on a scalable and stable IT infrastructure

#### **Solution**

- OSIsoft PI System with AMI support for SAP IS-U
- OSIsoft Enterprise Agreement (EA) Programme

#### **Results and Benefits**

- Over 700,000 domestic Smart Meters installed
- Smart Customer bills generated automatically from a Smart Meter Read

# **Agenda**

- Introduction to British Gas Residential
- Introduction to the British Gas Smart Metering Programme
- Smart Metering Landscape
- The Challenge of Volume
- How the Enterprise Agreement helped
- Future Challenges
- Conclusion

#### Introduction to British Gas Residential



- Founded in 1812
- centrica is our parent company



- We employ 35,000 people
- We have 16 million meters in 12 million homes



- We don't just supply gas & electricity
- We are the UK's leading energy services company

#### **British Gas Smart Metering Programme**

- What is a Smart Meter?
  - Provides the consumer with energy consumption information
  - Allows 2-way communication
    - Receive readings, financial data, alerts and events
    - Send tariffs, top up credit values, update firmware







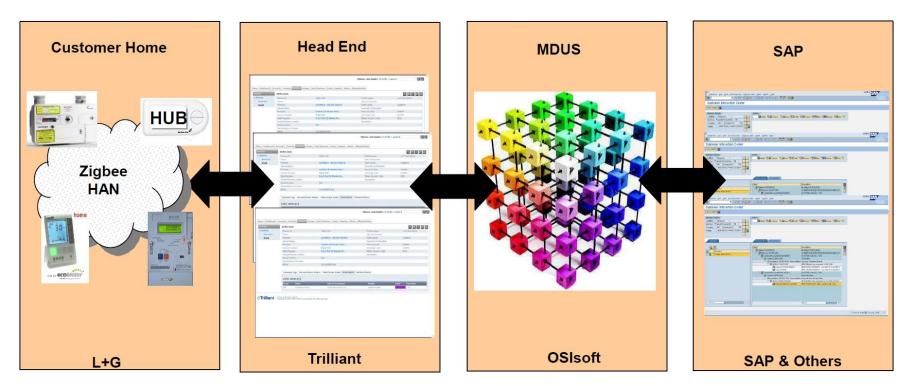
#### **British Gas Smart Metering Programme**

#### The Beginning...



- Our Smart Meter rollout started in 2010
- UK Government mandated to finish 2020
- British Gas adopted a "go early" approach
- We did not hire a System Integration partner
- We used a combined team of Centrica and OSIsoft
- Developed in-house knowledge of the PI System.
- Installing 8,000 meters per week in the PI System



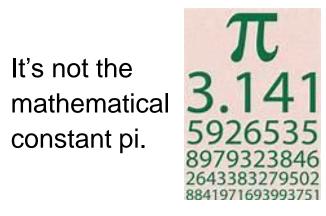




It's not a fruit pie.

What does our PI System look like?

constant pi.

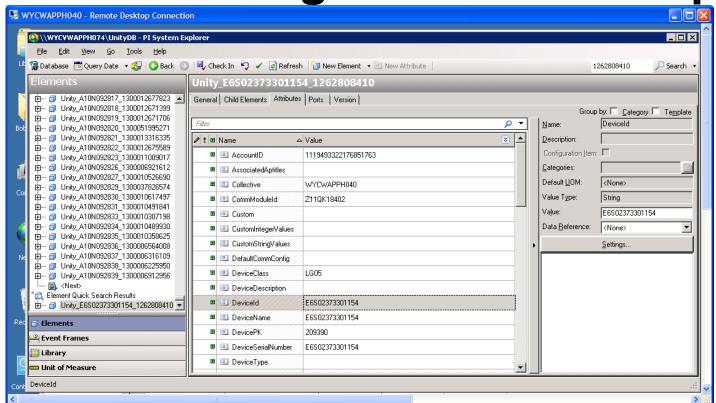


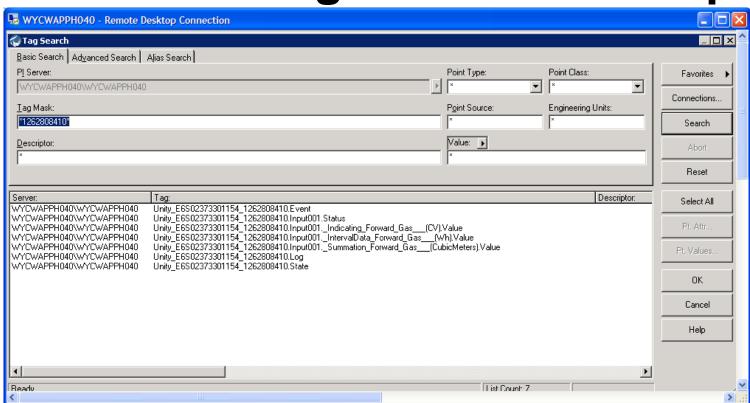


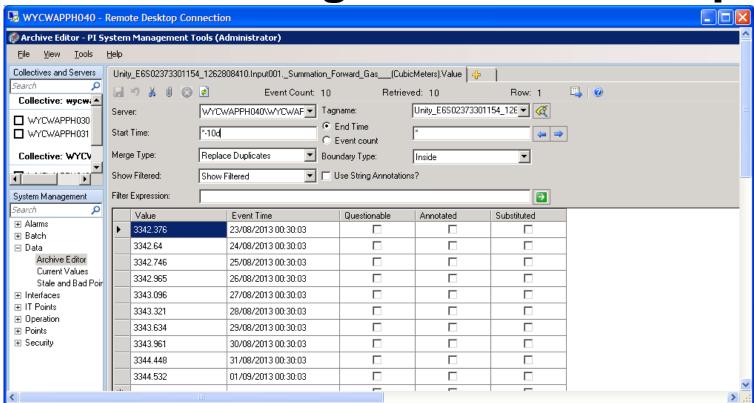
It's not a pi pie!

What does our PI System look like?

- 2 PI Server 2012 collectives
- 600,000 Smart Meters
- 6.2 million PI Tags







### The Challenge of Volume

- Convert 16 million residential meters to Smart by 2020
- British Gas has already undertaken a programme of this scale in the 1970's

1,700 Smart Energy Experts carrying out the installations









### How The Enterprise Agreement Helped

- What does British Gas get with its Enterprise Agreement?
  - Field Service Engineer support for software installations and upgrades
  - Centre of Excellence guidance on projects
  - NOC monitoring of systems with Managed PI
  - Annual training vouchers
  - Annual User Conference vouchers
  - Enterprise Project Manager as single point of contact







### **How The Enterprise Agreement Helped**

- What has the EA delivered for British Gas?
  - Improved Performance
  - Stability
  - Growth
  - Business Benefit







# **Future Challenges**

- No Estimated Bills
- Volume Volume Volume!
- Data Extraction
- Data and Communication Company





#### Conclusion

- OSIsoft Enterprise Agreement has made our journey easier.
- British Gas and OSIsoft have been learning as the Smart Meter roll out progresses
- The Enterprise Agreement will allow British Gas to deliver a successful Smart Metering Programme and continue to be the leading provider of Smart Energy services in the UK.

#### **Iain Boba**

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