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## **Application Development with PI System**

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OSIsoft Asia Pte Ltd

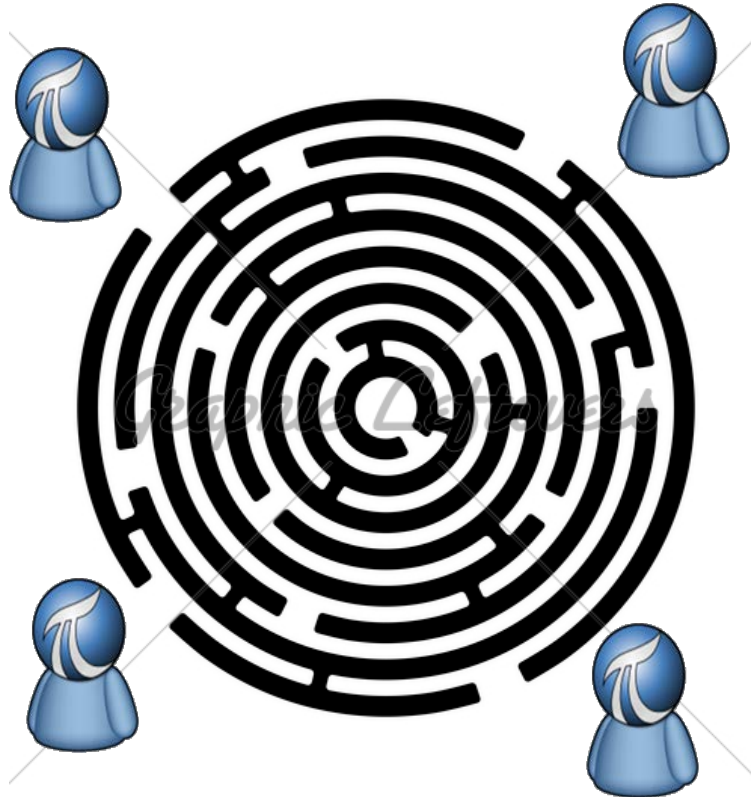
# Application Development

- *Computer Science Definition:*

*“Application Development is the development of a software solution in a planned and structured process to perform tasks and speeding up business process”*

# Common Applications

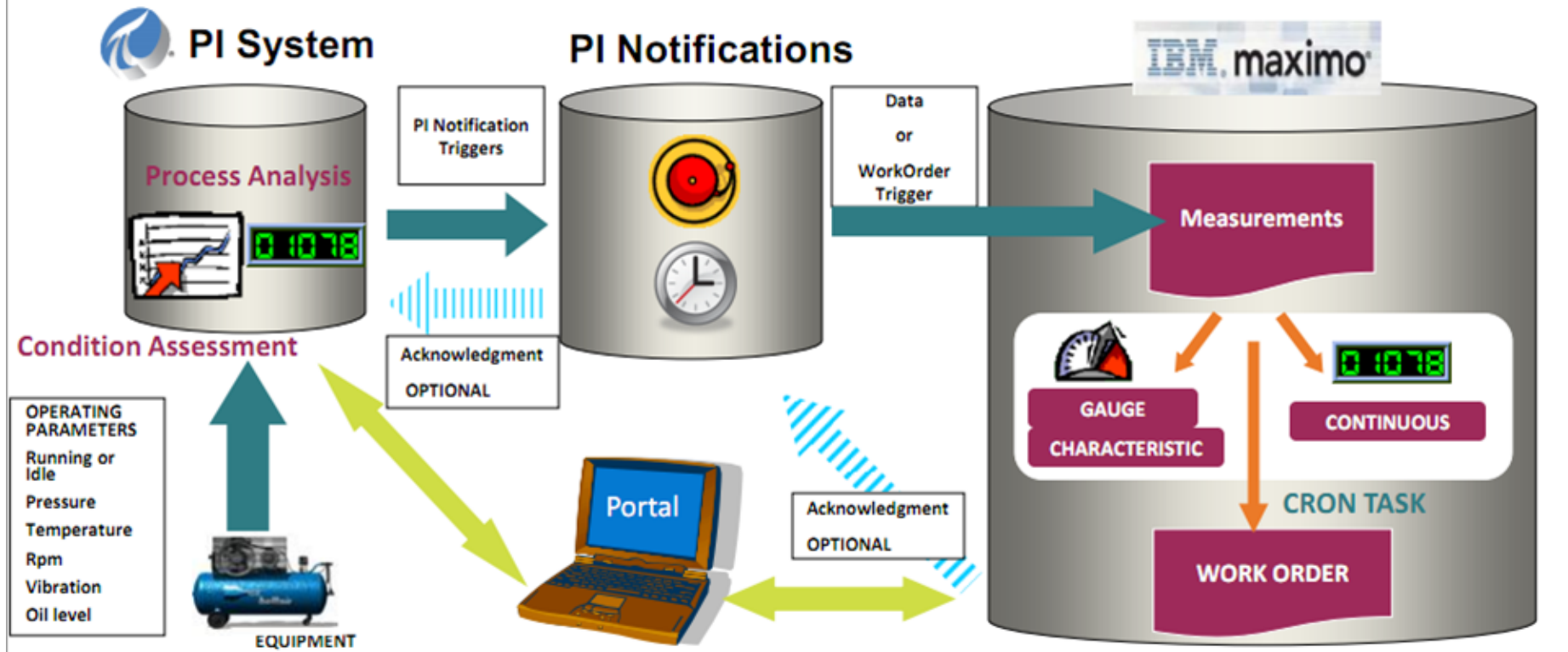
- Condition-based Maintenance



# ERP Integration

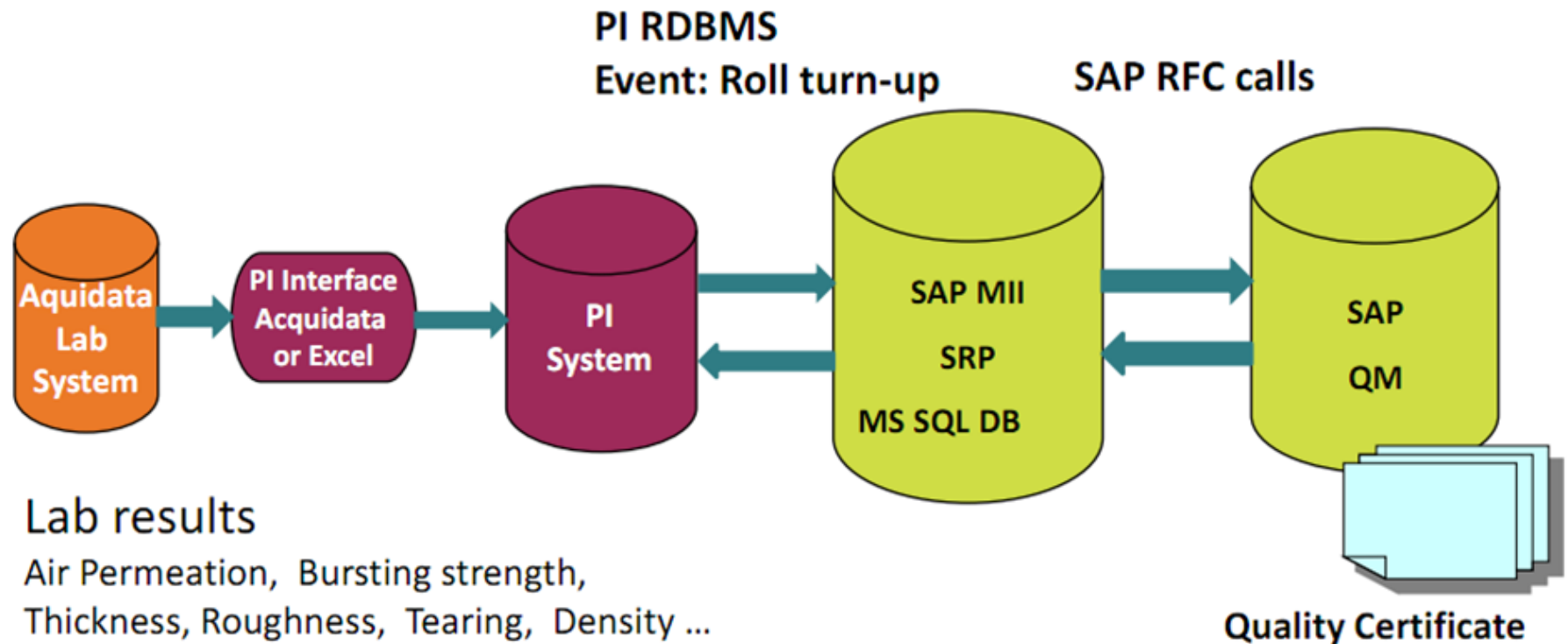
## PI System to Maximo data flow

(via Maximo Integration Framework)



# ERP Integration

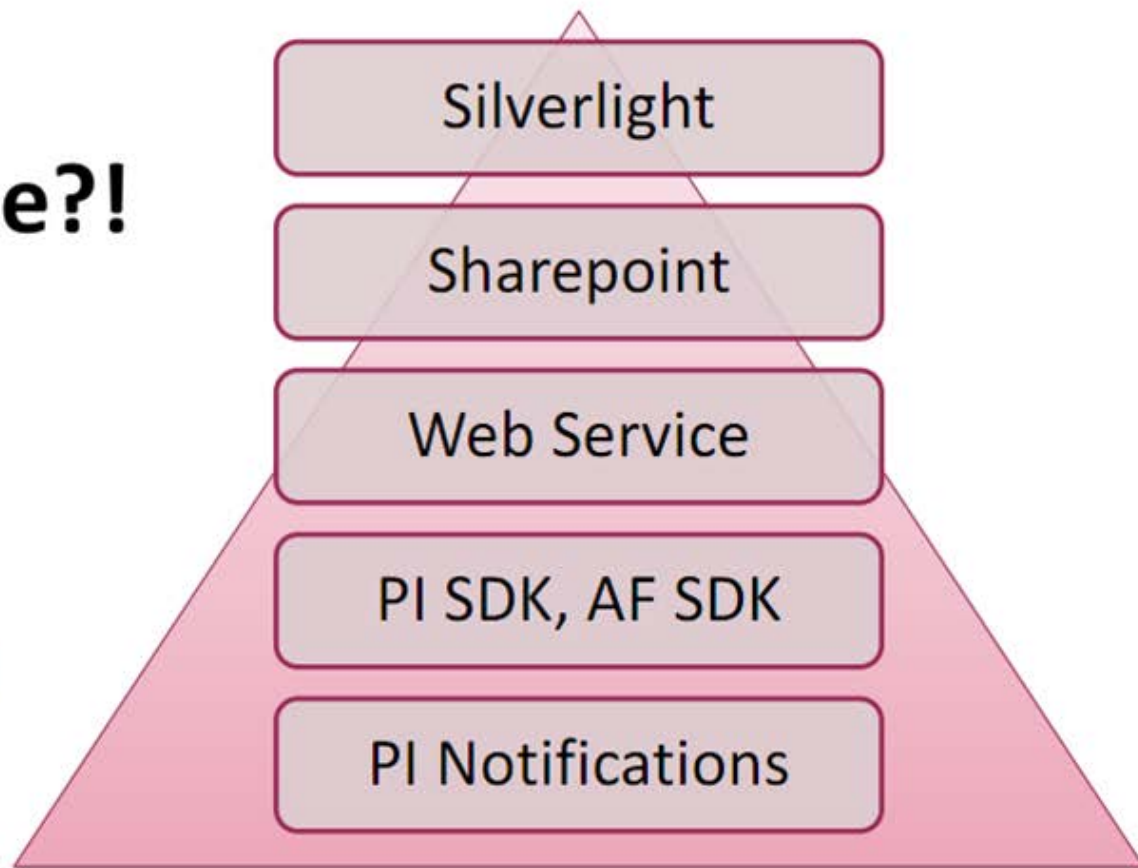
## Data Flow: PI System to SAP via MII



# Integrating PI Notification and Web

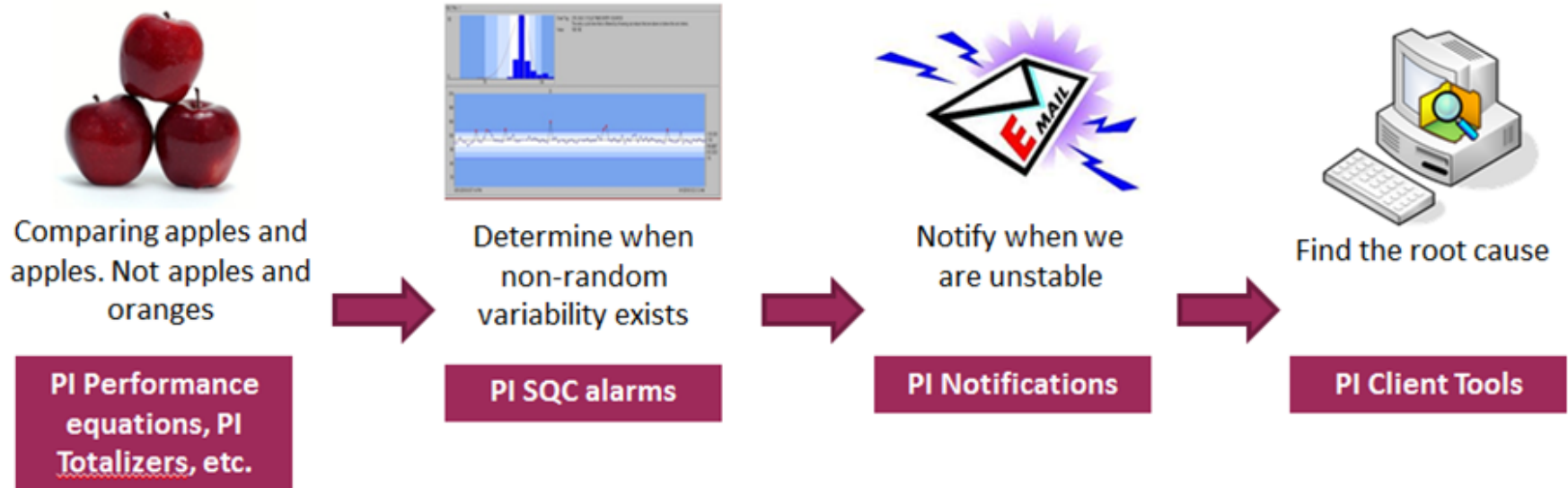
**The Story...**  
**It can be done?!**

- **Easy! Right???**



# SQC and Notifications

## Putting it all together for Outstanding Process Control





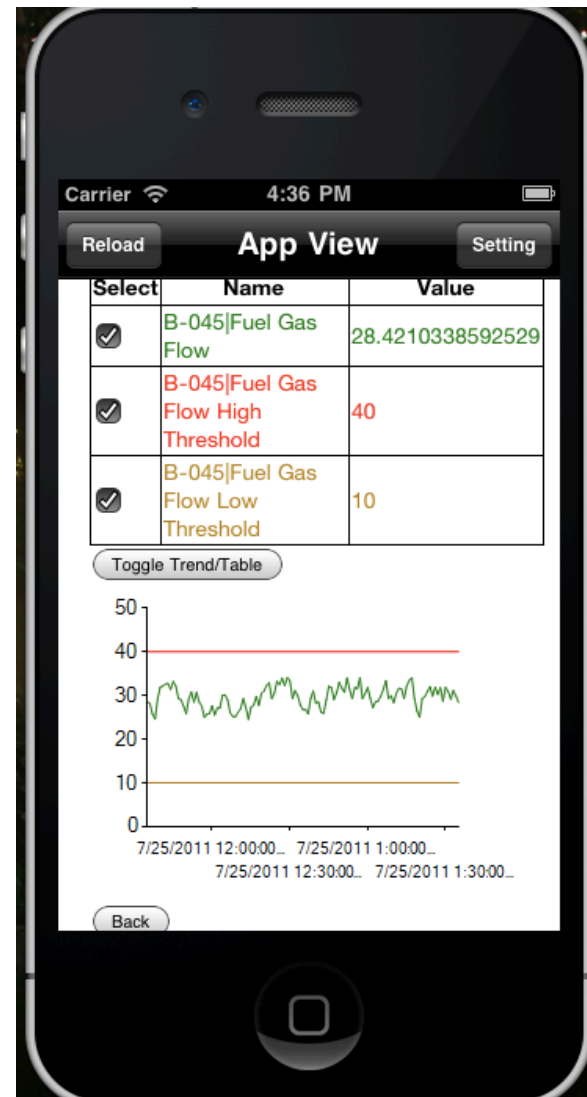
# References

- **Using PI System Data and Events in Your Enterprise and Line of Business Systems**  
<http://www.osisoft.com/Templates/item-abstract.aspx?id=6741>
- **OSIsoft vCampus: The Community at Your Service**  
<http://www.osisoft.com/Templates/item-abstract.aspx?id=6753>
- **Using SQC & PI Notifications in Manufacturing, and the Value of vCampus**  
<http://www.osisoft.com/Templates/item-abstract.aspx?id=6788>



# RIVtech

*Real Industry Value*

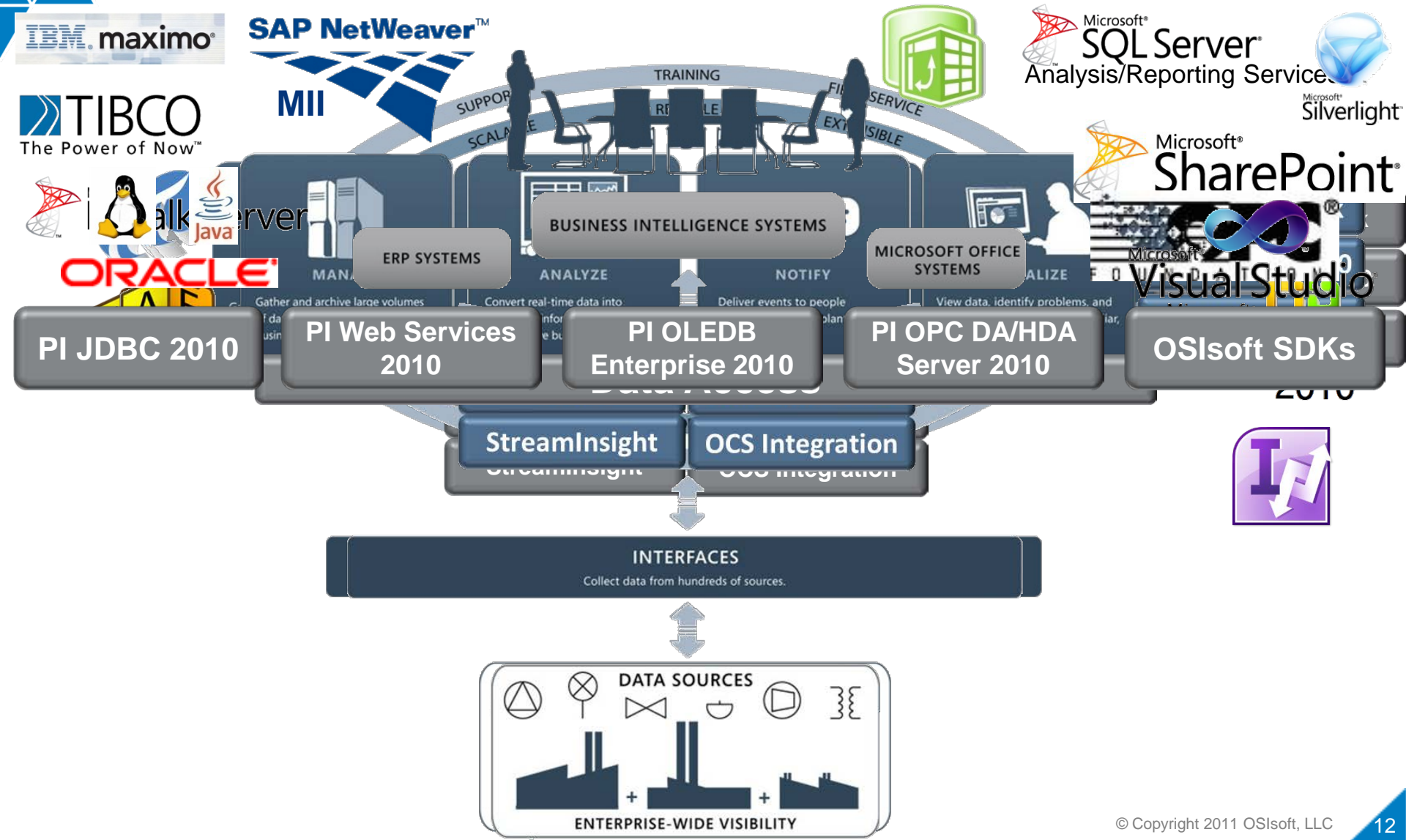




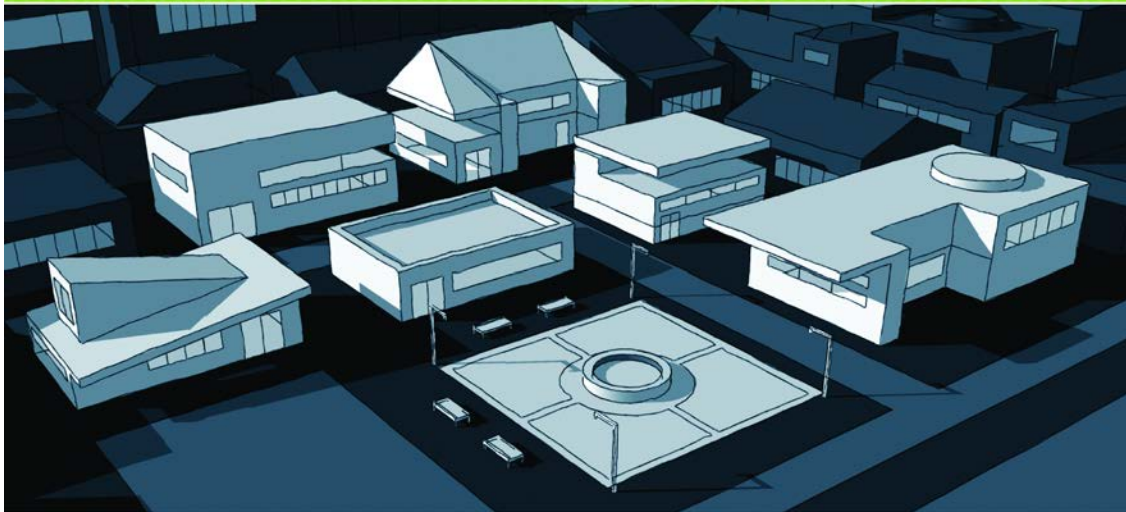
PI System  $\neq$  The Solution

PI System *Enables* The Solution

# PI System Data Access



OSIsoft®



V-CAMPUS

# OSIsoft vCampus: What and Who?

- Community-oriented program that provides everything needed to build applications on PI
  - Development PI System
  - Resources
  - Support/Collaboration in various ways
- For all PI developers and integrators
  - Clients
  - Partners
  - OSIsoft





# What's In for You?

- Faster time to market
  - Resources
  - Collaboration (Others did it... others know it...)
- Closer relationship with OSIsoft
  - Developers, Product Managers
  - Get heard (Feedback → Development)
- Be the first to know
  - CTP, Beta, RC, exclusive contents



# Hear from the Community Members

# OSIsoft vCampus Live! 2011

- OSIsoft annual in-depth technology event
  - Mixed of presentations and hands-on session
- 30<sup>th</sup> November to 1<sup>st</sup> December







# Conclusion

- Developing an application on top of PI System
  - ➔ Creating a solution to a challenge/problem
- OSIsoft vCampus provides the community support and resources in your journey to develop a solution based on PI System



# Contact OSIssoft vCampus

- Visit our website: <http://vcampus.osisoft.com>
- Follow OSIssoft vCampus on Twitter:  
<http://twitter.com/OSIssoftvCampus>
- Take a “Tour” of OSIssoft vCampus:  
<http://vcampus.osisoft.com/media/videos/Tour-of-the-OSIssoft-Virtual-Campus1.wmv>
- OSIssoft vCampus: [vcampus@osisoft.com](mailto:vcampus@osisoft.com)



Thank you