



# Take Exception to Being the Last to Know: How PI Notifications Keep You in Charge

**Don Baron**  
**Product Manager**  
**OSIsoft, Inc.**

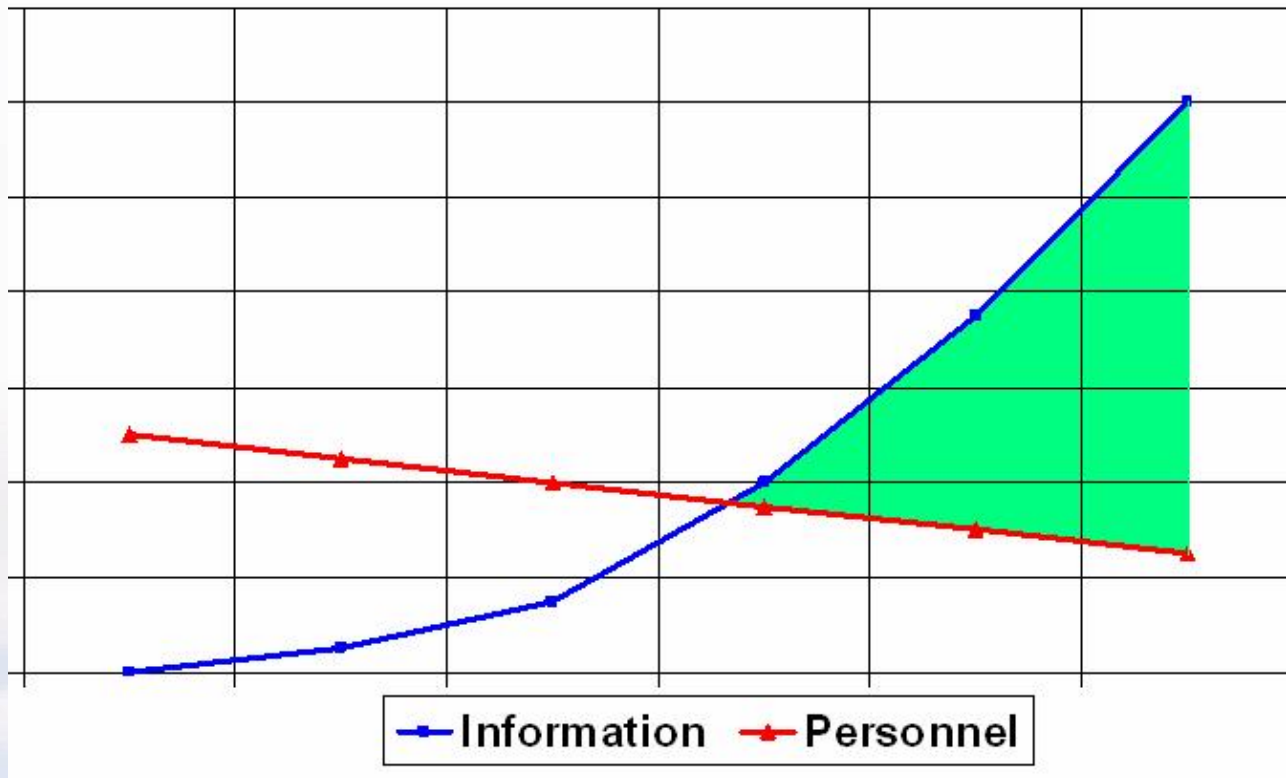
**Alex Zheng**  
**Senior Developer**  
**OSIsoft, Inc.**



# Talk Agenda

- Why Notifications: Business drivers shaping this product
- Demos
- Feature map and architecture
- Conclusions and future direction

# Decision Overload



**Real-Time alerting is crucial!**

# The Cost of Inaction

- Safety
- Environment
- Downtime

# Demo: Configure a Notification

- 1. Add your business logic**
- 2. Add your business card**
- 3. Start!**

# Demo: Ensure Message Delivery

- 1. Create an Escalation Team**
- 2. Add to subscribers**



# Demo: Historization

- 1. Two ways to view history**
- 2. Notification history**

# Demo: Reusability

- 1. Create *one* notification – apply to *many***



# Demo: Deliver notifications to other systems

1. **Create a webservice “subscriber”**
2. **Add the “subscriber”**

# Demo Takeaways

- Simple to configure
- Escalate to the right people
- All actions are historized
- Re-usability
- Integrate within your existing IT infrastructure

# Feature Map

Real Time Alerting

Workflow  
Integration

Auditing/  
Reporting

Deployment /  
Maintenance

Data Integration



## PI Notifications

Event  
Archiving



PI Server

Highly Available  
Evaluation

Extensible  
Message Delivery

History  
Viewer

Centralized  
Content



AF 2.0

Period/Natural  
Rule Evaluation

Escalation

SDK Access

Asset/  
Notification  
Templates

Versatile  
Data Sourcing

# Client Support

- ProcessBook
  - See Talk: *Wednesday 2:20 PM Steinbeck Forum*
- Datalink
  - See Talk: *Tuesday 2:50 PM Steinbeck Forum*
  - See Talk: *Wednesday 11:20 AM Steinbeck Forum*
- RtWebParts
- RtReports

# Conclusion

- **Simple**
- **Historized**
- **High Available**
- **Reusable**
- **Extensible**
- **Native Client Support**

# Releases

- Initial release: Q4 2007
- Next major release: 2008
  - Hierarchical notifications
  - Thin client
  - Root cause
  - Further client integration
- Down the road
  - Full analysis support



# Want More?

- SmartSignal Integration
  - See Talk: Tuesday 1:55 PM : Sierra Grand Ballroom 1
- Learning Lab
- PI Notification Focus Group
  - Join Us! Thurs at 3pm, Marriott, San Carlos room
- Demo Room
  - Come See Us! Thurs at 1pm-6pm



***Thank  
You***