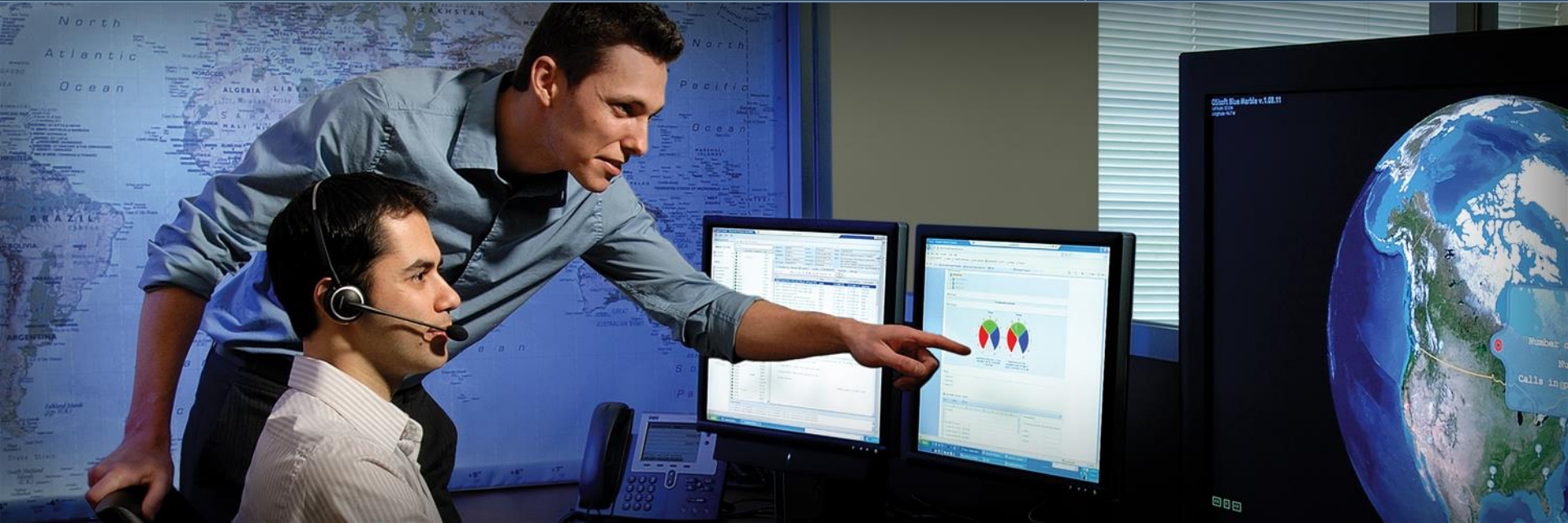




## Regional Seminar Series Raleigh



### Taking PI Forward with the Enterprise Agreement

Jim Alford  
Corporate PI Administrator  
Georgia-Pacific Chemicals LLC

October 27, 2009

Empowering Business in Real Time.

- G-P Chemical Overview
- Background
- Justification
- Enterprise Agreement (EA) Services
  - Enterprise Project Management (EPM)
  - Managed PI (mPI) and Network Operations Center (NOC)
  - Center of Excellence (COE)
- Future

- Produce chemicals and advanced materials used in building products, consumer products and industrial applications
- Wholly owned subsidiary of Georgia-Pacific Corporation
- Georgia-Pacific Corporation was purchased by KOCH Industries, December 2007
- Headquarters located in Atlanta, GA
- Safety, environmental and commercial compliance are GP's top priority
- MBM® Guiding Principles
  - Integrity, Compliance, Value Creation, Principled Entrepreneurship, Customer Focus, Knowledge, Change, Humility, Respect, Fulfillment

**G-P Chemicals** is a global manufacturer and marketer of a broad range of chemistry for diverse industries

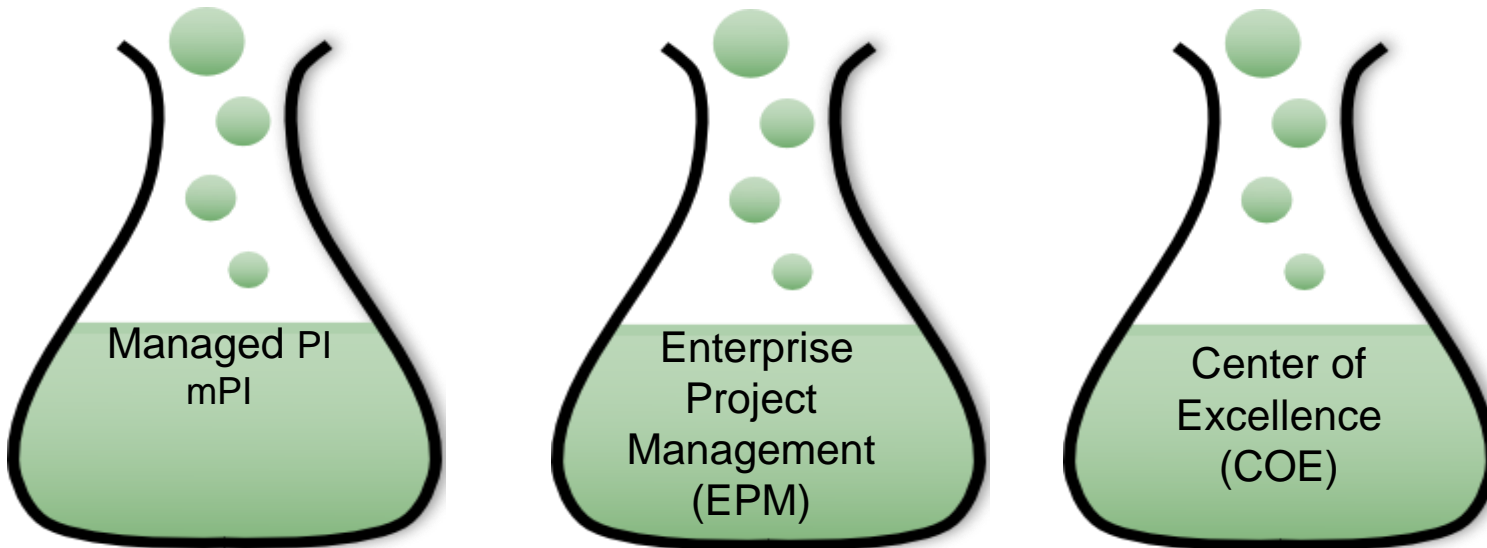


- Five basic product lines:
  - Wood Adhesives
  - Industrial Resins
  - Formaldehyde
  - Paper Chemicals
  - Pine Chemicals
- 11 Manufacturing facilities in the United States
- International plants in Brazil, Chile and Argentina
- Joint venture partnerships in South Africa, India and China
- Employs over 800 employees worldwide

- Numerous process control systems and data sources
  - Fisher Rosemount RS3
  - Honeywell Experion
  - Honeywell TPB
  - Honeywell TDC3000
  - Honeywell Plantscape
  - Yokogawa
  - Siemens
  - AB PLC's
  - Davis Weather Station

- First PI system installed in 2000
- PI team consisted of 1 full time person and part time Engineer
- Implemented PI in 14 plants over the next 2 years
- Project owned and supported by IT
- PI team aligned with Process Control Engineering in 2005
- Focus remained high on security and infrastructure over next 2 years
- Added network person to install firewalls on Process Control network including PI servers and Interfaces
- PI application development suffered during this time

- Needed to get more value from our PI system
- Higher level of data integrity and availability
- Upgrade systems to take advantage of OSIsoft new platforms and software
- Costs determined EA was good value
- Enterprise Agreement signed late Dec/2007

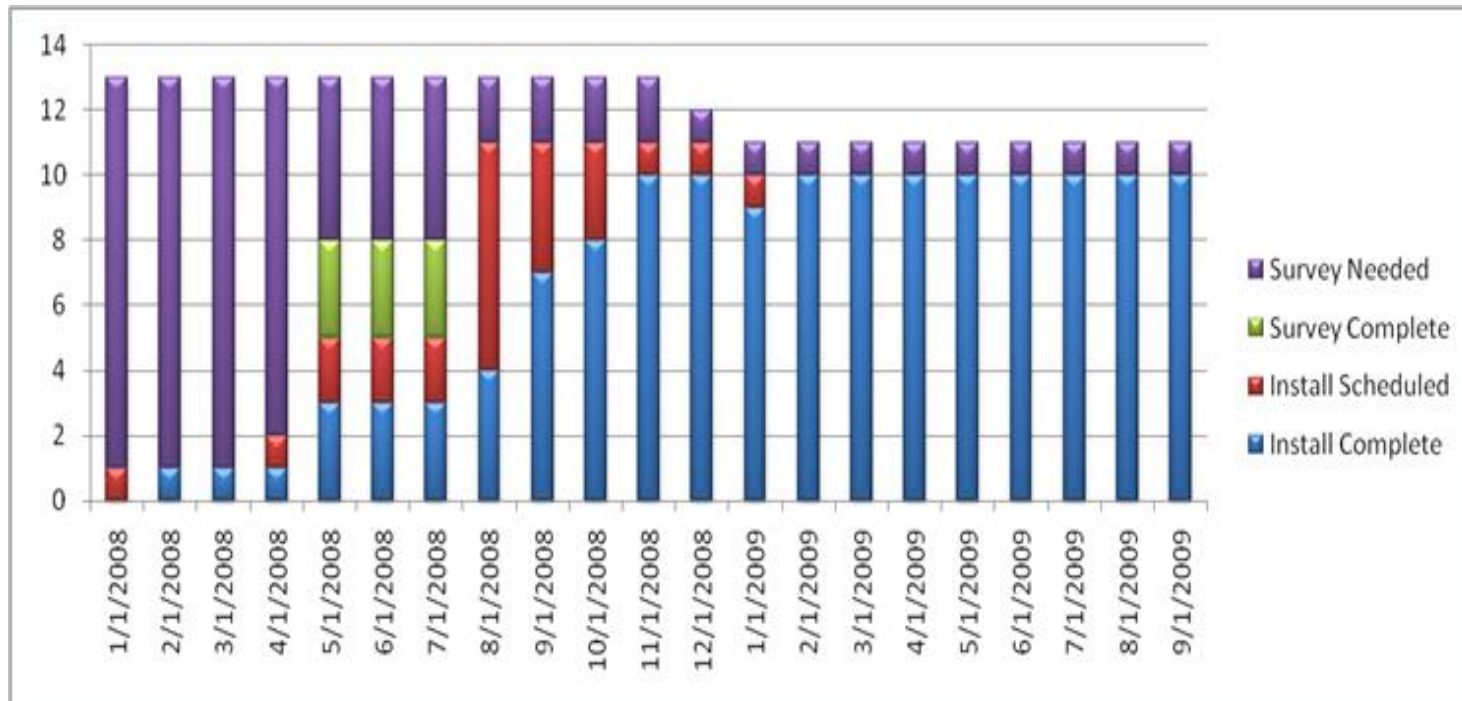


- Strong project manager supported with COE and backed by all of OSIsoft resources
- Focal point for all communications
- Manages the rollout of new PI installs and upgrades
- Assigns the right resources for our needs
- Quarterly meetings to review successes and plan for future
- Supports training - Training vouchers, User Conference vouchers, OSIsoft vCampus subscriptions (trade-in), webinars
- Architecture assistance
- Extranet



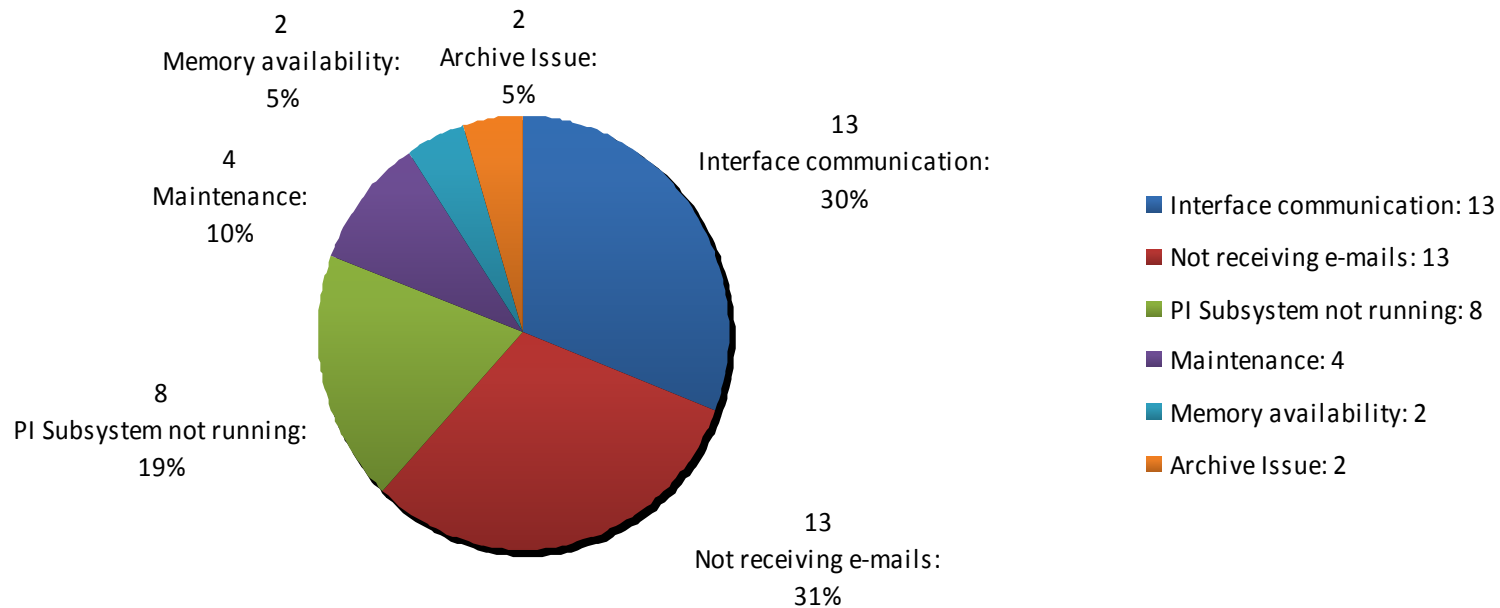
- 11 PI servers upgraded to HA PR1 and mPI
- 11 new PI servers installed with HA PR1 and mPI
- 11 Collectives installed for redundant PI servers
- 21 Interfaces upgraded to HA PR1 and mPI
- 10 new servers installed as interface failover and mPI
- 7 on site installs - 4 Remote installs
- Some old interfaces not monitored or upgraded (NT)
- Implementation schedule
  - Trial site mid March/08
  - Next site May/08
  - 8 sites between Aug/08 and Dec 08
  - Last site Feb/09

# EA SERVICES - INSTALLATION SUMMARY



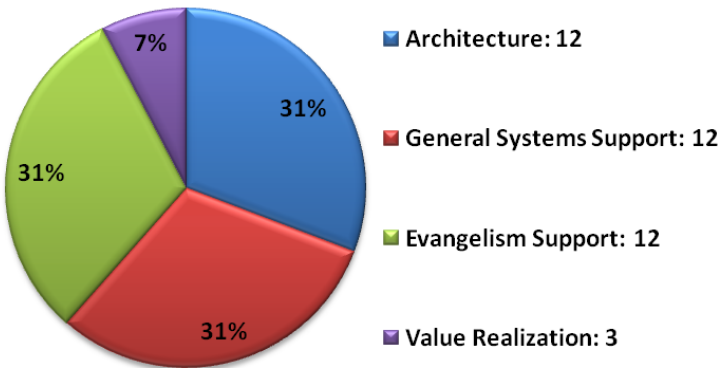
- Network Operations Center (NOC)
- Monitor and alert
- Low memory alerts
- Unresponsive interfaces
- I/O Timeouts (device unavailable?)
- 24x7 support
- Provide NOC with instructions on priority levels, contacts, escalation
- Version inconsistencies

## GP Chemicals: Managed PI Calls

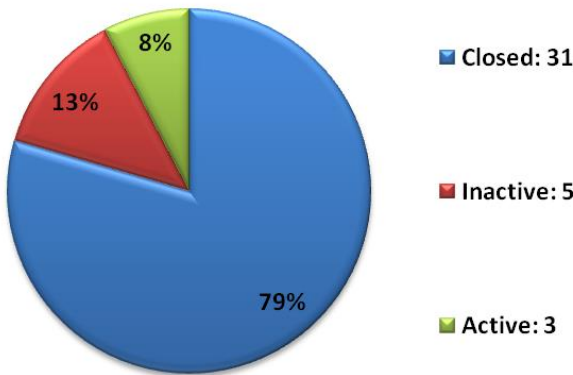


Total CoE  
Engagements:  
**39**

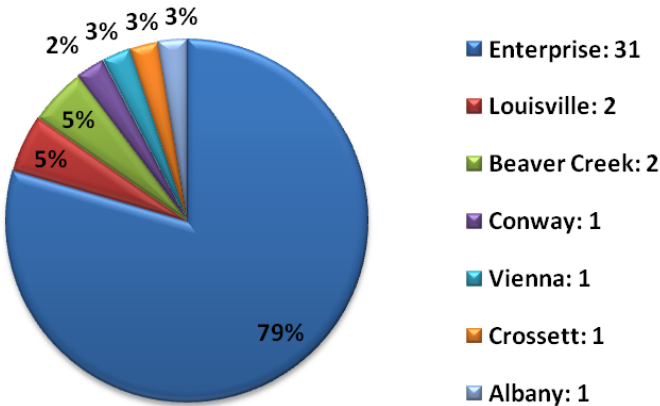
GP Chemicals: CoE Service by Type



GP Chemicals: CoE Service by Status



GP Chemicals: CoE Service by Site



# CoE Services (Closed)



Site	Title	Status	Service
Beaver Creek	Beaver Creek Roll-out Architecture	Closed	Architecture
Beaver Creek	Fisher-Rosemont RNI Interface	Closed	Architecture
Conway	Conway Roll-out Architecture	Closed	Architecture
Enterprise	Centralized ACE server	Closed	Architecture
Enterprise	SQL High Availability	Closed	Architecture
Enterprise	SQL 2005 HA	Closed	Architecture
Louisville	Louisville Roll-out Architecture	Closed	Architecture
Vienna	Fisher-Rosemont RNI Interface	Closed	Architecture
Enterprise	PI Products and Functions Overview	Closed	Evangelism Support
Enterprise	ACE Education	Closed	Evangelism Support
Enterprise	ACE Use Cases	Closed	Evangelism Support
Enterprise	Auto Point Sync (APS)	Closed	Evangelism Support
Enterprise	Quarterly Review Batch	Closed	Evangelism Support
Enterprise	NOC and Extranet Roadmap	Closed	Evangelism Support
Enterprise	Executive Meeting	Closed	Evangelism Support
Enterprise	MCN-HM	Closed	Evangelism Support
Enterprise	Control Monitor exchange for rCAAM	Closed	Evangelism Support
Albany	Critical Failure of Primary PI System	Closed	General Systems Support
Enterprise	Extranet Reorganization	Closed	General Systems Support
Enterprise	Client Preference for Primary	Closed	General Systems Support
Enterprise	PIBaGen Setup	Closed	General Systems Support
Enterprise	Batch Data Migration	Closed	General Systems Support
Enterprise	EVT Interface	Closed	General Systems Support
Enterprise	PI-SQC Bug	Closed	General Systems Support
Enterprise	PI-ProcessBook 3.0.x issue with button I	Closed	General Systems Support
Enterprise	Merging PI Servers & other options	Closed	General Systems Support
Enterprise	MCN Information	Closed	General Systems Support
Enterprise	RS-232 Connections to PI using PI UFL Interface	Closed	General Systems Support
Louisville	Splitting a PI server	Closed	General Systems Support
Enterprise	Value Mapping Service	Closed	Value Realization
Enterprise	Mini-VRP	Closed	Value Realization

Site	Title	Status	Service
Crossett	Split & Upgrade PI Server	Active	Architecture
Enterprise	Event Frames Demo	Active	Evangelism Support
Enterprise	Value Realization Approval	Active	Value Realization
Enterprise	MSC Application Replacement	Inactive	Architecture
Enterprise	Condition Based Maintenance (CBM) Project	Inactive	Architecture
Enterprise	Manual Entry Methodology	Inactive	Architecture
Enterprise	Manual Logger Product Education	Inactive	Evangelism Support
Enterprise	AF & Notification Product Education	Inactive	Evangelism Support

- Value Realization Plan Approval
  - Determine and prioritize what users want/need based on value
  - Develop short and long term planning
  - Do the right thing
- Higher focus towards achieving added value from PI
- Remote access for the NOC
- Advanced Computing Engine (ACE)
- AF and Notifications
- RtWebParts to provide data viewing on desktop without the need of client software



[jralford@gapac.com](mailto:jralford@gapac.com)



Thank you

777 Davis St., Suite 250 San Leandro, CA 94577