



Sigmafine, the data validation platform

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February 3rd, 2010



Regional Seminar Series



Sigmafine, the data validation platform

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Visiant Pimsoft Inc.

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Agenda



- Sigmafine at Visiant Pimsoft
- Our Vision
- What is Sigmafine?
- Sigmafine Industries and Applications
- Sigmafine and the PI System
- Roadmap Guidelines
- Sigmafine Users Network

Sigmafine at Visiant Pimsoft



- Visiant Pimsoft acquired Sigmafine from OSIsoft
- Visiant Pimsoft Inc. has been created to manage the Sigmafine business
- Offices in Houston and Milan
- Whole Sigmafine team of experts and developers joined the new company
- Mission: to provide customers with a state-of-the-art data validation technologies and services based on business requirements and proven best practices
- Larger Offering: core software, industry specific solutions, consulting and project implementation

Our Vision



- Our role changed from product vendor to solution provider, bringing together software development and implementation expertice
- We continue the product roadmap to keep the application at the state-of-the-art from the IT technology and the application funtionality points of view
- We deliver added value to our customers by providing complete
 Sigmafine-based solutions and consulting
- We consolidate and enhance the value-added network of customer and partners worldwide, sharing best pratices and knowledge to gurantee successful implemenations

Sigmafine is not just a...



- It is not just a data reconciliation application
 - Validation tool
 - Analysis engine
 - Business reporting platform
- It is not just a production accounting tool
 - Metal accounting
 - Composition Tracking
 - More...
- It is not just applied to oil refining
 - Chemicals, Petrochemical, Metals and Mining, Power, and LNG facilities

What is Sigmafine?



- Sigmafine is a data validation platform used to transform apprently independent data and events into business information
 - Configurable according to company's business rules
 - Expandible plugging-in of new intelligence
 - Scalable (from single units to large process networks)
 - Reusable for different analysis
 - Compliant to international standars (e.g., API and ASTM)

Sigmafine industries



Industry specific applications

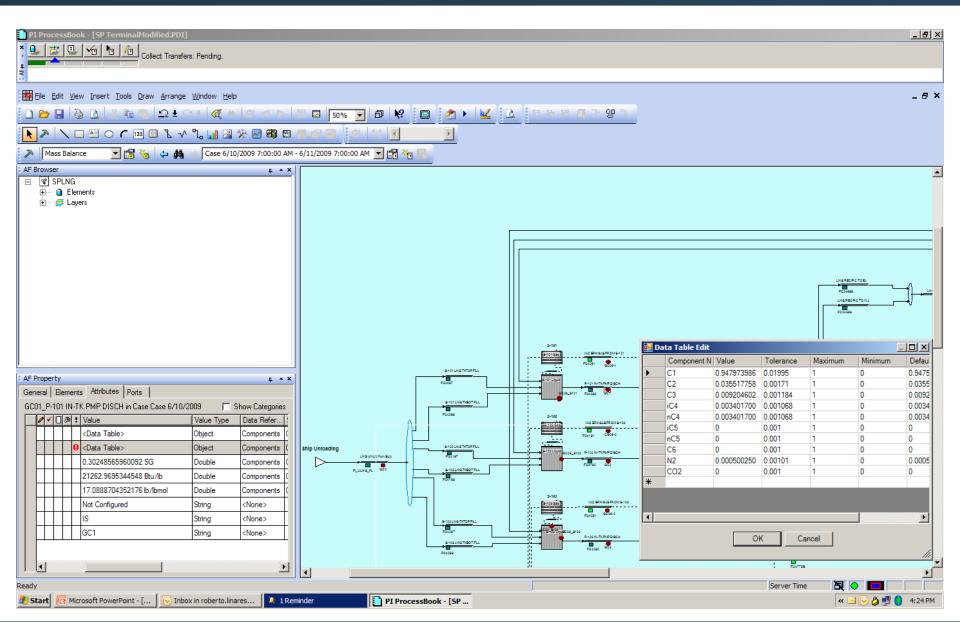
- Refining & Petrochemicals: Production accounting, material tracking, yield reconciliation, oil movement management, industrystd reports, oil losses
- **Metals & Mining:** Metals accounting, pile management, recovery optimization
- LNG: Energy contents balance, cargo unload verification, quality monitoring (Wobbe factor)
- Power: Fuel management, energy balance, turbine efficency calculations
- Water: Water losses detection in distribution networks

Cross-industries applications

- Data validation
- Meters performance monitoring
- Losses identification

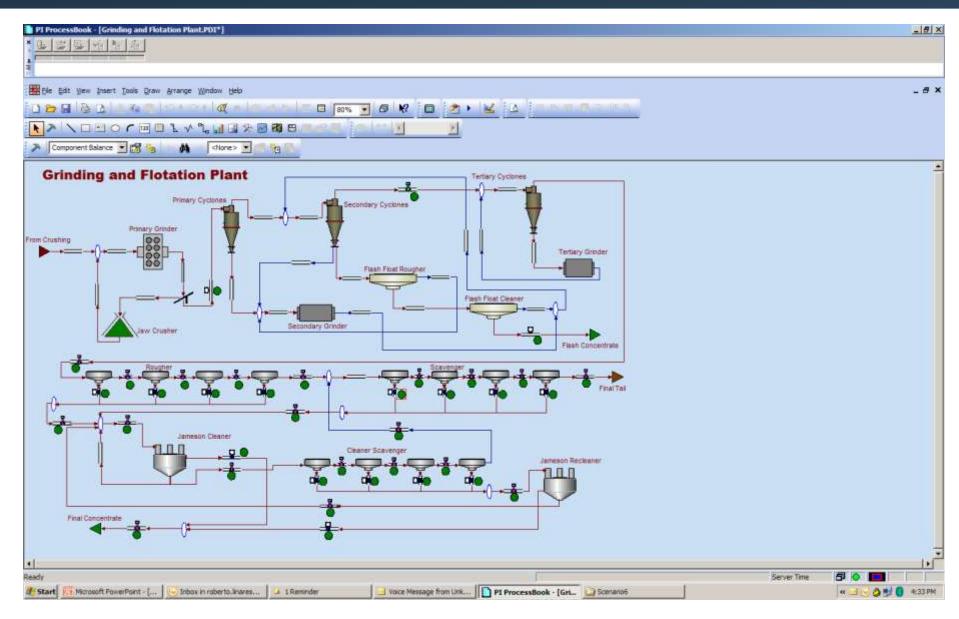
Component Balance in LNG





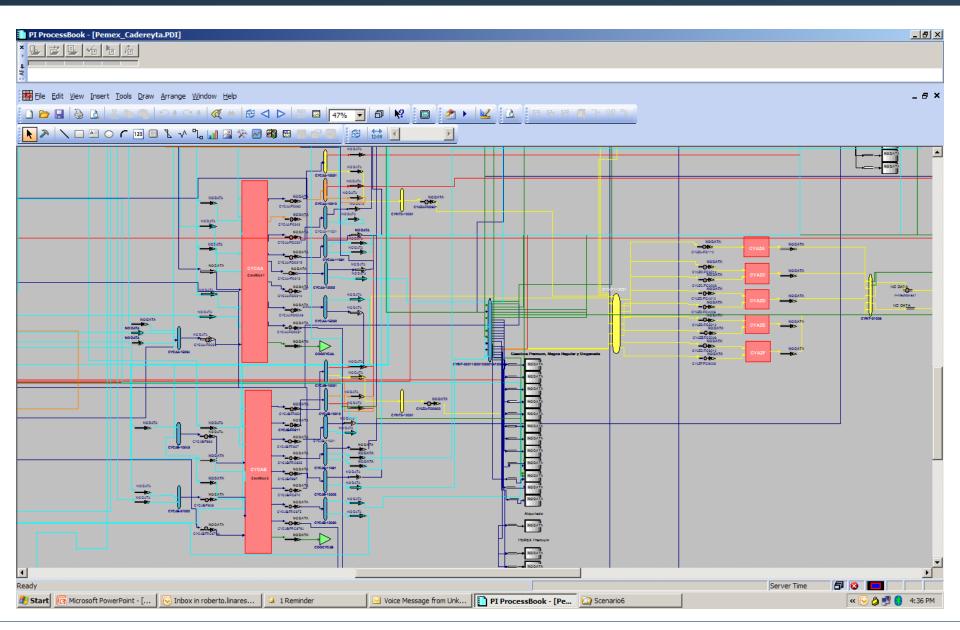
Recovery Calculations in Metals and Mining





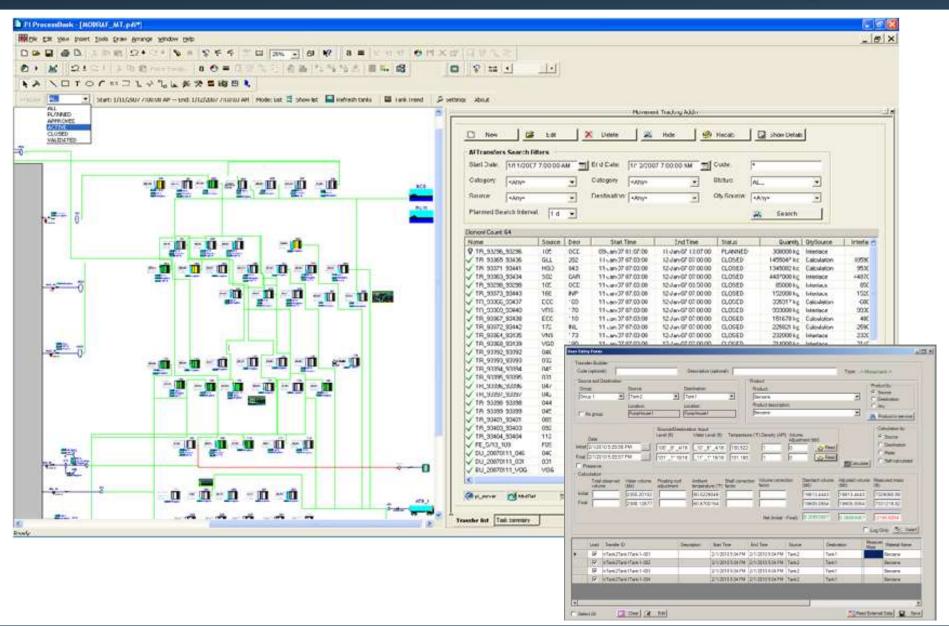
Yield Accounting in the Refining Industry





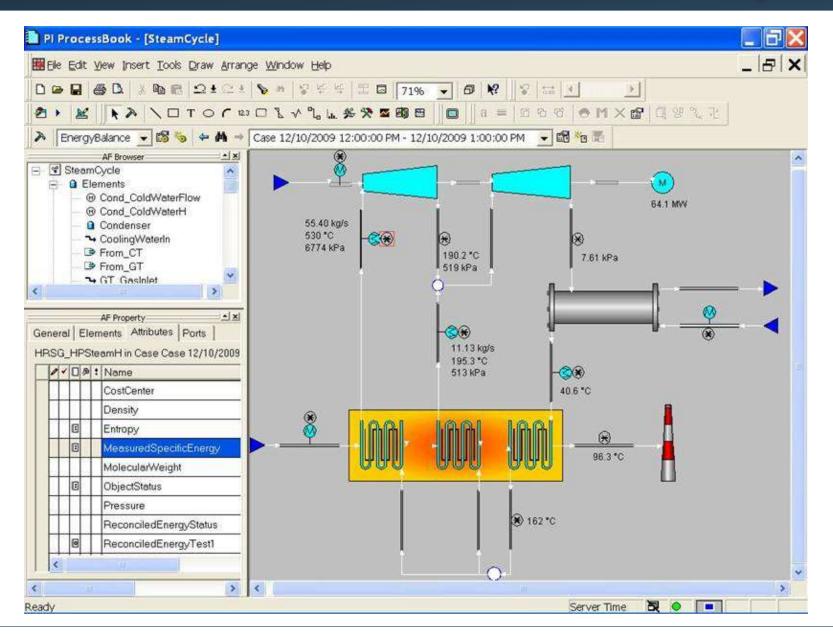
Advanced Movement Management





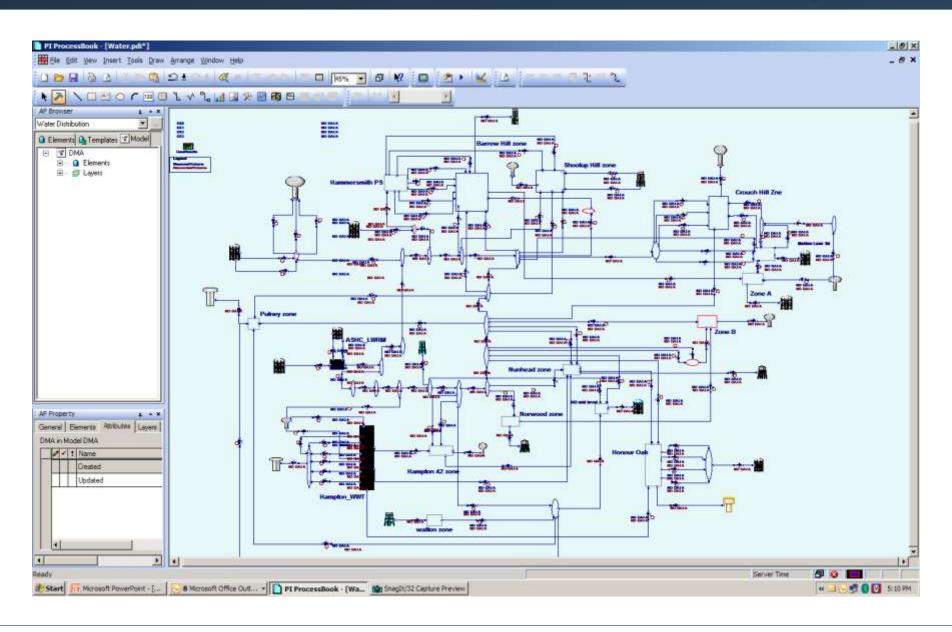
Energy Balance in Steam Cycle





Leak Detection in Water Distribution





Sigmafine and PI



- Powered by the PI System
 - Native integration with PI
 - COM Connectors (broader connectivity, supporting third party historians)
 - AF-based components (common look and feel)
 - Notifications (broadcasting data validation events)
- Supporting Thin and Smart Clients
 - ProcessBook (common GUI)
 - Visulization in Share Point using PI WebParts
 - Smart Reporting using Microsoft SQL Reporting Services

Roadmap Guidelines



- Improved Sigmafine Validation Tools
 - Serial elimination detection plug-in
 - Constraint balance analysis rule
 - Advanced diagnostic add-in
- Industry Specific Components
 - Advanced Movement Management
 - Oil Loss Analysis
 - Data Reconciliation for Power Industry
 - Tank Property Tracking
- Compliant to Standards: API 2004, VDI 2048, AMIRA
- Integration with third party OMS, scheduling and planning, and ERP
- 3-D technology navigation

Sigmafine User Network



- Sigmafine Newsletter
- Sigmafine Web Site
 - Site will be live along with the Sigmafine User Conference
 - Knowledge Base for the Sigmafine Users: Access to Technical Papers, Bulletins and Marketing Materials
- 1° Sigmafine User Conference
 - April 26, 2010 (Just before OSIsoft UC 2010)
 - San Francisco
 - Roadmap announcement
 - Customers and partners presentations
 - Product demos and presentations



Thank you

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