VOYAGE2007

3D Navigation: Adding a New Dimension to PI and AF Data

Massimo Galli
Operations Director

Doug Coene
Marketing Manager

VISIANT
PIMSOFT

Agenda

- Introduction to Visiant Pimsoft
- Overview of Pimsoft's Solutions
- Something new: Why 3D from Visiant Pimsoft?
- Live Demo
- Features & Benefits
- Applications
- The Impact of AF2.0

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Introduction to Visiant Pimsoft

- Longstanding OSIsoft partner
  - OSIsoft Distributor and Worldwide Sigmafine VAR
- Located in Turin, Milan, Rome
- Committed to OSIsoft technologies and values, early adopter of OSI context technologies (i.e. AF)

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Introduction to Visiant Pimsoft

- Sigmafine/AF projects, tuning, migration
- Value-added solutions leveraging OSIsoft and using .NET/SOA technologies
- OSIsoft Services
- Application Management contracts

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Our Commitment: AF-based Solutions

Ready to adapt, evolve, improve

- Deliver intelligent and innovative solutions to add value to OSIsoft infrastructure
  - Release “solutions” as compositions of services, ready to grow incrementally according to needs
  - Leverage investments through reusability/re-composition

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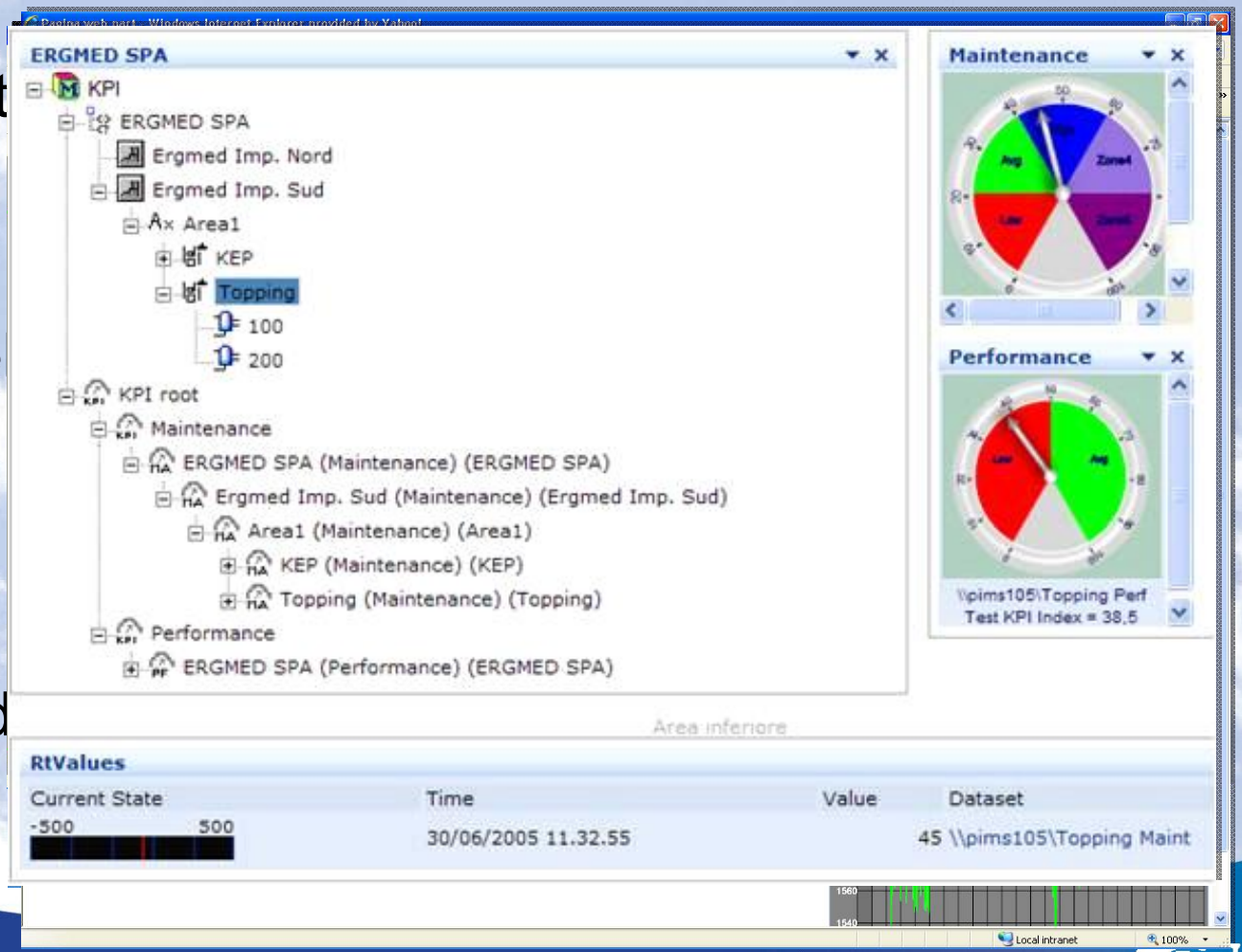
Our Solutions include…

- Intelligent
- AF to We
- AF-based



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Business Challenges

- With so much information available in a typical AF model, **how do we find what we need**?
- How do we represent assets that are **geographically or spatially related?**
- Is there a way to see all enterprise data in a **contextual, user-friendly and highly performant environment?**

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Why 3D from Visiant Pimsoft?

- Visiant developed a 3D engine for high-end automotive factory GPS units
  - urban and environmental planning, video games, training simulators, advanced multimedia...
- Small subset of the 3D classes and customized the engine to PI User interests

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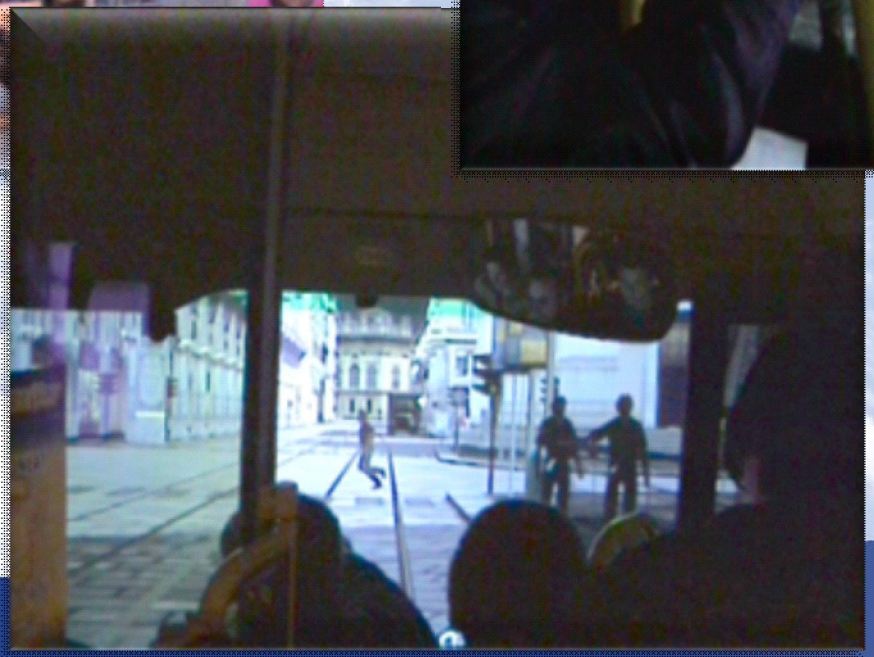
Why 3D from Visiant Pimsoft?



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Some General Principles

- Scenes
  - Container file
- Objects
  - Taken from DWG, DXF drawings
  - Can be multistated
  - Objects inside objects
- AFView
  - The user-defined camera angle and position for a given AF Item

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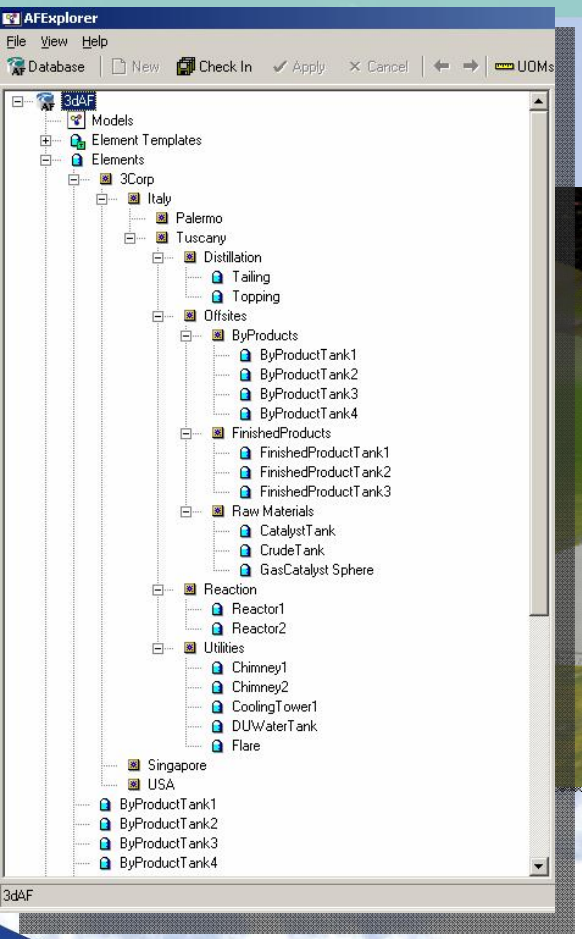
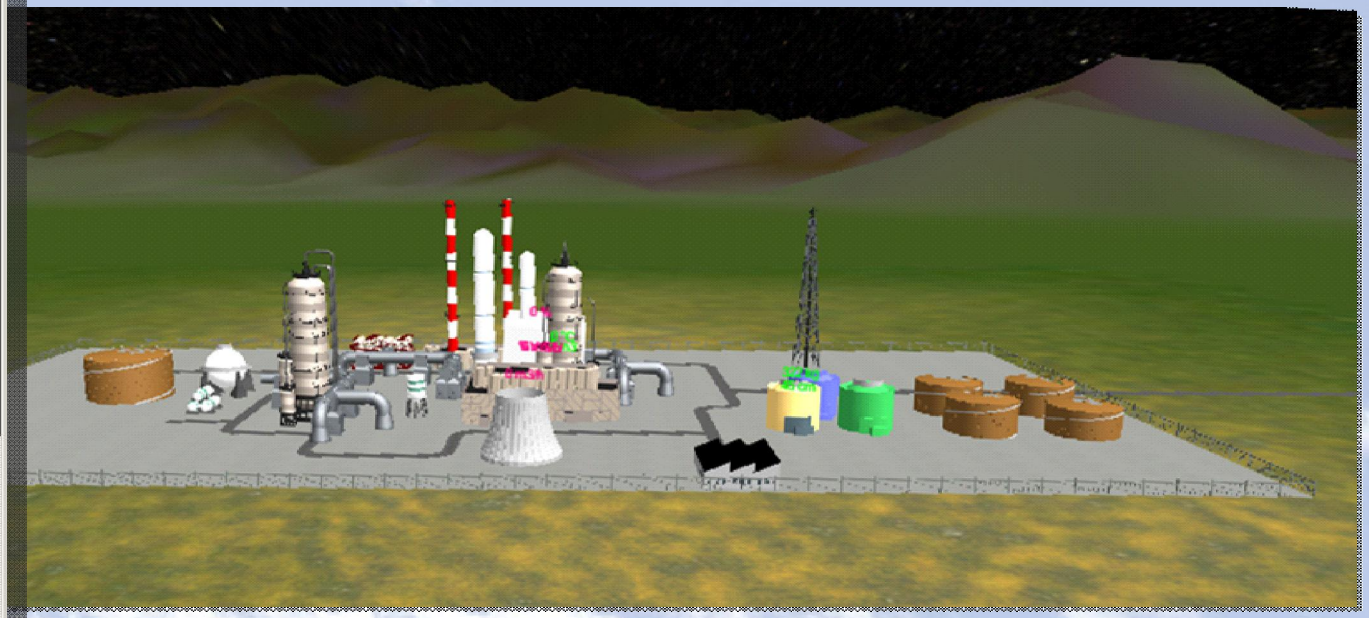
The AF Model





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Demonstration

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Key Features and Benefits

Performance	• No need for sophisticated hardware • Allow for very large models in a single scene
Powerful Searches	• Visual placement of search results • Instant drilldown
High Degree of Individualization	• Show information to the right people at the right time • Users change the viewing parameters, not the structure
The Best of PB and More	• Take advantage of existing PDIs with quick conversion • Multistating, time-ranges, trending

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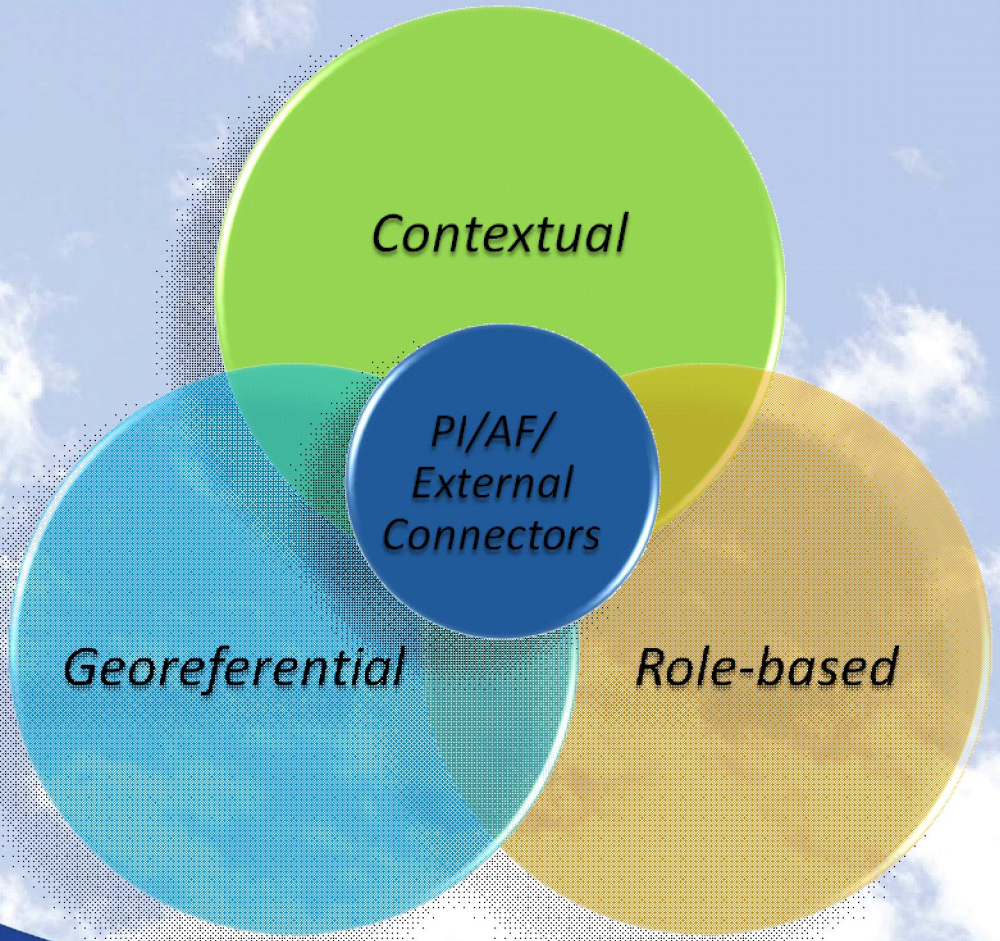
Benefits



One **vision** *of the truth*

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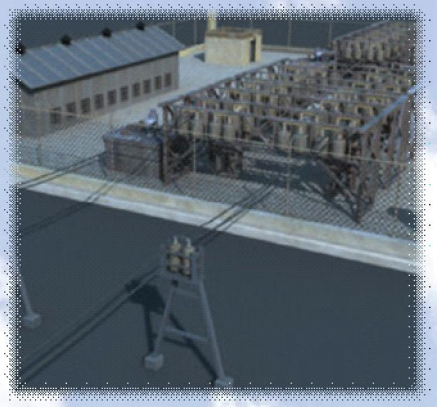
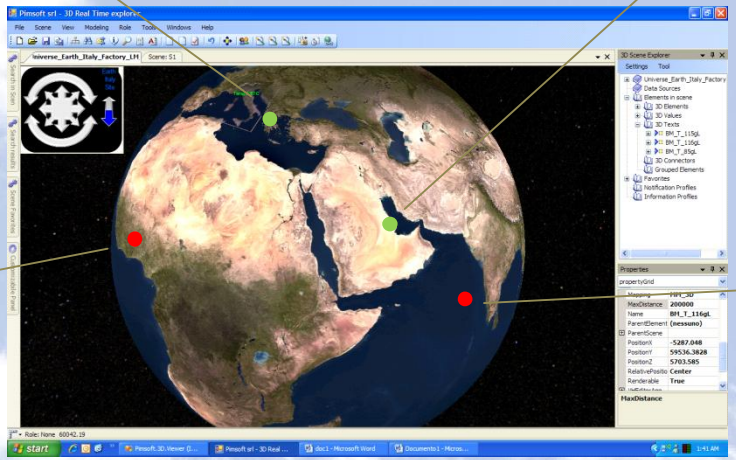
Far Beyond Plant Information





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Future Enhancements

- Web interface
- Modeling/Authoring tools
- Automated graphic/data layout of objects based on templates
- 3D Trends
- Asset Synchronization

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The Future: 3D meets AF2.0

- Hierarchy
  - Enhanced drilldown capabilities
- Security model
  - Easier role-based navigation & setup
- PI Notifications
  - A new delivery channel for notifications

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- UC2007 Partner Expo
- Early Adopter Booth
- www.visiantpimsoft.it
- Contact us
  - douglas.coene@visiant.it
  - massimo.galli@visiant.it

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VALUE NOW, VALUE OVER TIME