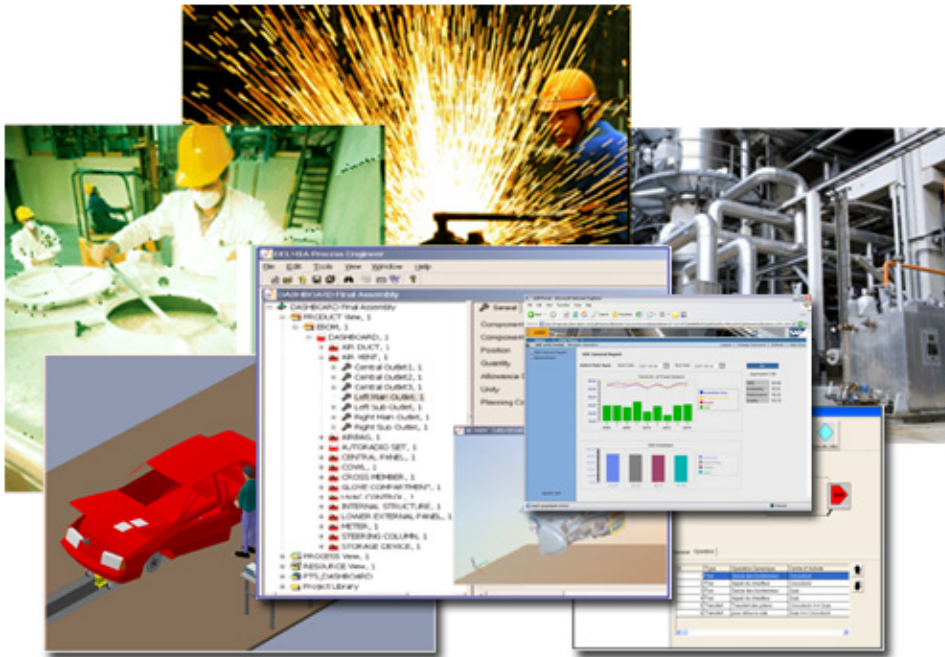


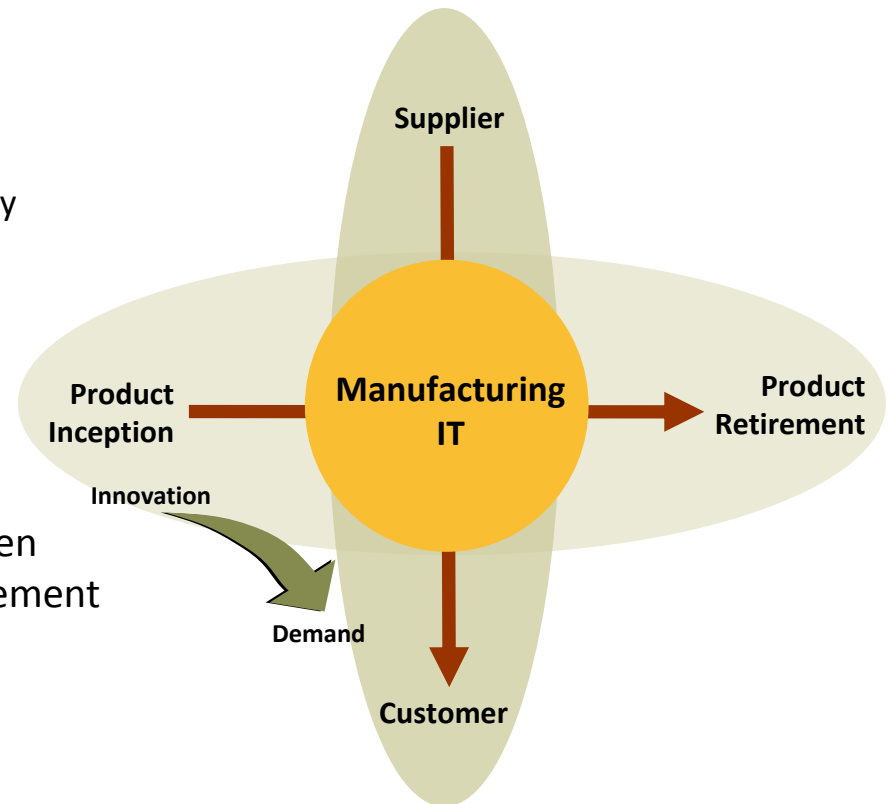
Manufacturing IT offerings and capabilities



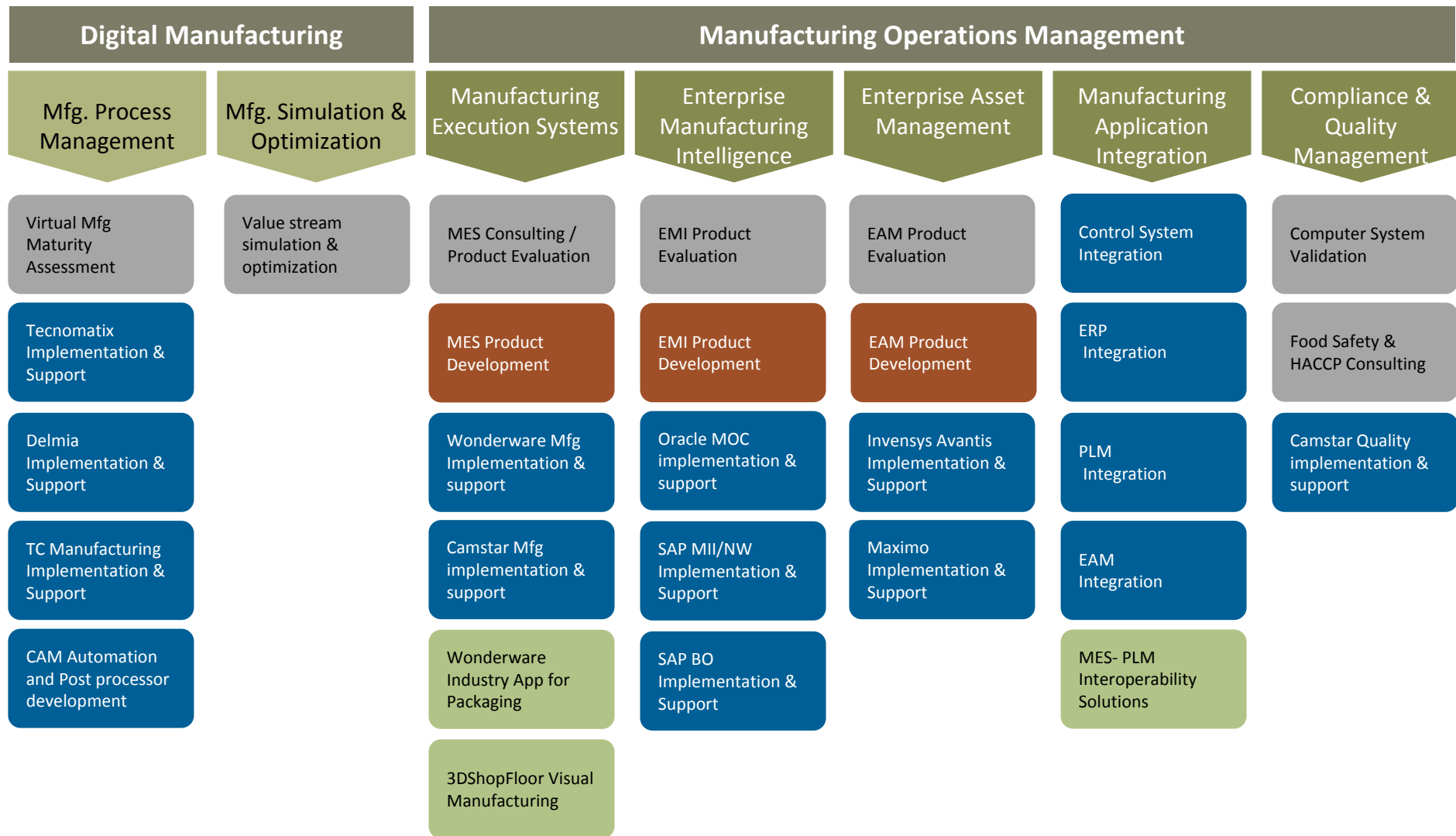
2009

Manufacturing IT: An Integral Part of Supply Chain and PLM

- Our solutions and services portfolio enables manufacturers to achieve operational excellence while being adaptive to innovation and demand
 - Faster time-to-market and volume
 - Optimized cycle-time and material-flow
 - Lowered cost of quality and improvement in regulatory compliance
 - Enhanced productivity
 - Increased return on assets
- Our solutions and services are backed by our proven expertise and alliances in product lifecycle management and manufacturing operations management



Our offerings portfolio



Consulting Services
 Product Development Services
 Implementation Services
 Value Added Solutions

Manufacturing Process Management

Alliances

Solutions to achieve a collaborative integrated engineering and manufacturing environment



SIEMENS

Siemens PLM Software

Benefits

- Integrated environment for Engineering and Manufacturing
- Shortened process planning time with less rework
- Process standardization facilitating knowledge capture and reuse
- Enhanced productivity

Services Scope

- Implementation consulting
- Manufacturing process lifecycle management solution deployment
- Solution Deployment
- Customization
- Integration (with PDM, MES, ERP applications)
- Application management, Upgrade and Migration

Accelerators & Competencies

Accelerators:

- Maturity assessment framework of Virtual Manufacturing initiative
- MPM solution deployment methodology

Competencies:

- Tecnomatix Process Designer/ eMPlanner
- DELMIA Process Engineer
- Teamcenter Manufacturing
- DELMIA PPR Manufacturing Hub

Customer Engagements

- Integrated Product Design & Process Planning
- Enabling Collaboration between Engineering, Manufacturing & Supply Chain
- Process Planning solution for Automotive Stamping

Services

Virtual Mfg Maturity Assessment

Tecnomatix Implementation & Support

DELMIA Implementation & Support

TC Manufacturing Implementation & Support

CAM Automation and Post processor development

Manufacturing Simulation and Optimization

Alliances

Optimize processes and equipment to address requirements related to virtual factory simulations for assembly-disassembly, ergonomic, robotic and plant layout



SIEMENS

Siemens PLM Software

Benefits

- Simulation based accurate decision making for investment decisions
- Ensure that the factory operates at the peak efficiency before production ramp-up
- Assured process quality by emulating realistic processes throughout the process lifecycle

Services Scope

- Process simulation and validation
- Assembly and manufacturing process simulation and validation
- Ergonomic / Human simulation
- Robotic simulation and OLP
- Plant design, simulation & optimization

Accelerators & Competencies

Accelerators:

- Proven methodology for manufacturing process simulations
- Templates for requirement analysis

Competencies:

- Tecnomatix Process Simulate portfolio & RobCAD
- DELMIA - DPM, Human, IGRIP, USPOT, & V5 Robotics
- Factory Simulation using Quest / AutoMod / Witness/ FactoryCAD/ FLOW

Customer Engagements

- Robotic Work Cell Validation & Reach-ability Analysis
- Assembly Line Ergonomic Simulation & Optimization
- Shop-floor Productivity Analysis and Enhancement

Services

Value stream simulation & optimization

Manufacturing Execution Systems

Alliances

IT enablement of core MES processes at the shop-floor spanning across production, inventory, quality and maintenance



Benefits

- Improvements to manufacturing cycle time
- Improvement in planning & scheduling activities at the shop-floor
- Product quality enhancements
- Availability of accurate real-time information for effective decision making

Services Scope

- MES Product Evaluation
- Workflow/ Process Modeling (ISA 95 Part III & S88 based)
- Solution Architecting
- Solution Implementation (configuration & customization)
- MES Product development/ enhancement services
- Packaged service for IAP

Accelerators & Competencies

- Accelerators:**
- Auto configuration utility objects
 - WOPS Implementation Cookbook
 - Tool for MES product evaluation
- Competencies:**
- Wonderware Operations & Performance Software
 - Camstar Manufacturing
 - S-95/S-88/PackML

Customer Engagements

- Assembly Work Instruction Generation
- MES Solution Feasibility Analysis
- Next Generation MES Product Development



Enterprise Manufacturing Intelligence

Real-time visibility of manufacturing performance and tools for analytics and continuous performance improvement

Alliances



Benefits

- 25% improvement in production efficiency, 13-20% decrease in cycle time
- Profitable production through balancing of assets, >10% increase in asset utilization
- >90% decrease in time to conduct process/ product audit.
- Progressive elimination of on-hold and product issues, headcount reduction, margins maintained on reduced cost

Services Scope

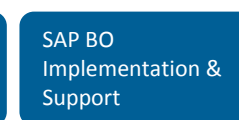
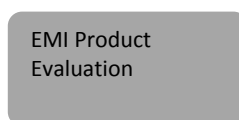
- 360° Enterprise Manufacturing Intelligence (EMI) Process Consulting
- Solution Design & Architecture
- Solution Development
- Global Rollout and Support
- EMI Product Development
- RapidValue Solution Package (Oracle MOC)

Accelerators & Competencies

- Accelerators:**
- 360° EMI Consulting
 - EMI Product Evaluation Methodology
 - EMI Deployment toolkit
- Competencies:**
- Oracle Manufacturing Operation Center
 - Performance 3.5 (Wonderware)
 - Camstar MBI
 - SAP MII/BO

Customer Engagements

- OEE Analytics
- EMI Control Development
- Manufacturing Business Intelligence Dashboard



Manufacturing Application Integration

Streamline end-to-end supply chain and product engineering processes to achieve a new level of agility

Alliances



Benefits

- Improvement in cycle time for time-to-market & time-to-volume
- Continuous improvement through closed loop innovation
- Reduction in cost of engineering change and cost to quality
- Proactive detection and resolution of potential issues
- Overall reduction in procedural errors

Services Scope

- Consulting and road map creation (PLM-MES-ERP Integration)
- Collaborative Frame-work maturity evaluation
- Integration Solution Development & Support

Accelerators & Competencies

- Accelerators:**
- B2MML Converter
 - PLM Adapters
- Competencies:**
- System Platform (Wonderware)
 - SAP MII/Netweaver
 - Microsoft BizTalk
 - Oracle Fusion
 - ISA S98/ S88
 - MIMOSA
 - PackML
 - BatchML

Customer Engagements

- Delivering Product & Process Information to Shop Floor
- Recipe Synchronization
- Integrating engineering with supply chain
- integrated Product Quality Management (iPQM)
- integrated Recipe Management & Execution (iRME)



Control System Integration

ERP Integration

PLM Integration

EAM Integration

MES- PLM Interoperability Adapters

Enterprise Asset Management

Improving asset performance by optimized maintenance process management and analytics

Alliances



Benefits

- Maintenance Process Management and Monitoring
- Asset Data Management for Single Asset Repository
- Maintenance History and Cost Management
- Failure Analysis and CAPA
- Data Gathering for Asset Reliability Management
- Integration information flow between EAM, Inventory, Purchase and Manufacturing Systems

Services Scope

- Consulting – APM, EAM Process Study
- Asset Reliability/ Condition Monitoring
- Asset Lifecycle Management
- EAM product development
- EAM Product Customization and Enhancement
- Enterprise Integration
- Application Support

Accelerators & Competencies

Accelerators:

- EAM Product Evaluation Methodology
- EAM Product Development & Integration Process
- EAM Product Implementation Process
- Application Support Methodology

Competencies:

- Avantis
- Maximo

Customer Engagements

- EAM Product Development
- EAM Customization



EAM Product Evaluation

EAM Product Development

Invensys Avantis Implementation & Support

Maximo Implementation & Support

Compliance and Quality Management

Alliances

Compliance & Quality Management solutions to help manufacturers handle growing business needs with stringent regulatory compliance



Benefits

- Effective Management of Food Safety and compliance to meet organization requirements
- Zeroing compliance issue
- Improve brand image.
- Reduce Customer complaints
- Reduce waste which leads to reduce cost of production

Services Scope

- Quality Consultancy – FSMS/HACCP
- Quality Risk Analysis
- Implementation & Support services

Accelerators & Competencies

- Accelerators:**
- FSMS (ISO 22000) implementation tool kit
- Competencies:**
- Food Safety Management System
 - 21 CFR Part 11
 - Computer System Validation
 - Qi Analyst
 - Camstar Quality

Experiences

- Consultants having more than 20 years for combined experience in Quality Assurance,
 - Food and Beverage Manufacturing
 - Pharmaceutical Manufacturing
 - 21 CFR Part 11 & Part 820
 - Computer System Validation
 - FSMS/HACCP



Strategic Alliances



- DS Gold Partner
- 800+ people
- Product Development for all Dassault Systèmes brands
- A joint-venture, 3D PLM Software Solutions Ltd, established in 2002, with 70% ownership by Geometric



- Partnership formed in May 2007
- Roadmap for definition and development of mySAP PLM
- Our industry solution for interoperability is certified PBNW



- Relationship since 2007
- Solution development for Oracle Manufacturing Operation Center
- Only partner for certifying other products on Oracle MOC



- Relationship since Dec'2007
- Joint solution development for,
 - Manufacturing Intelligence
 - Quality Management
 - MES-ERP interface development



- Gold Tier Partner (Partner Advantage Program)
- Two of our products are available on Pro/ENGINEER Wildfire platforms
- Enterprise Consulting Partner for services



- Microsoft Certified Partner since Nov 2007 for development competencies in the latest Microsoft technologies



Siemens PLM Software

- Global Development Partnership agreement
- Relationship since 1998
- Team size of over 200

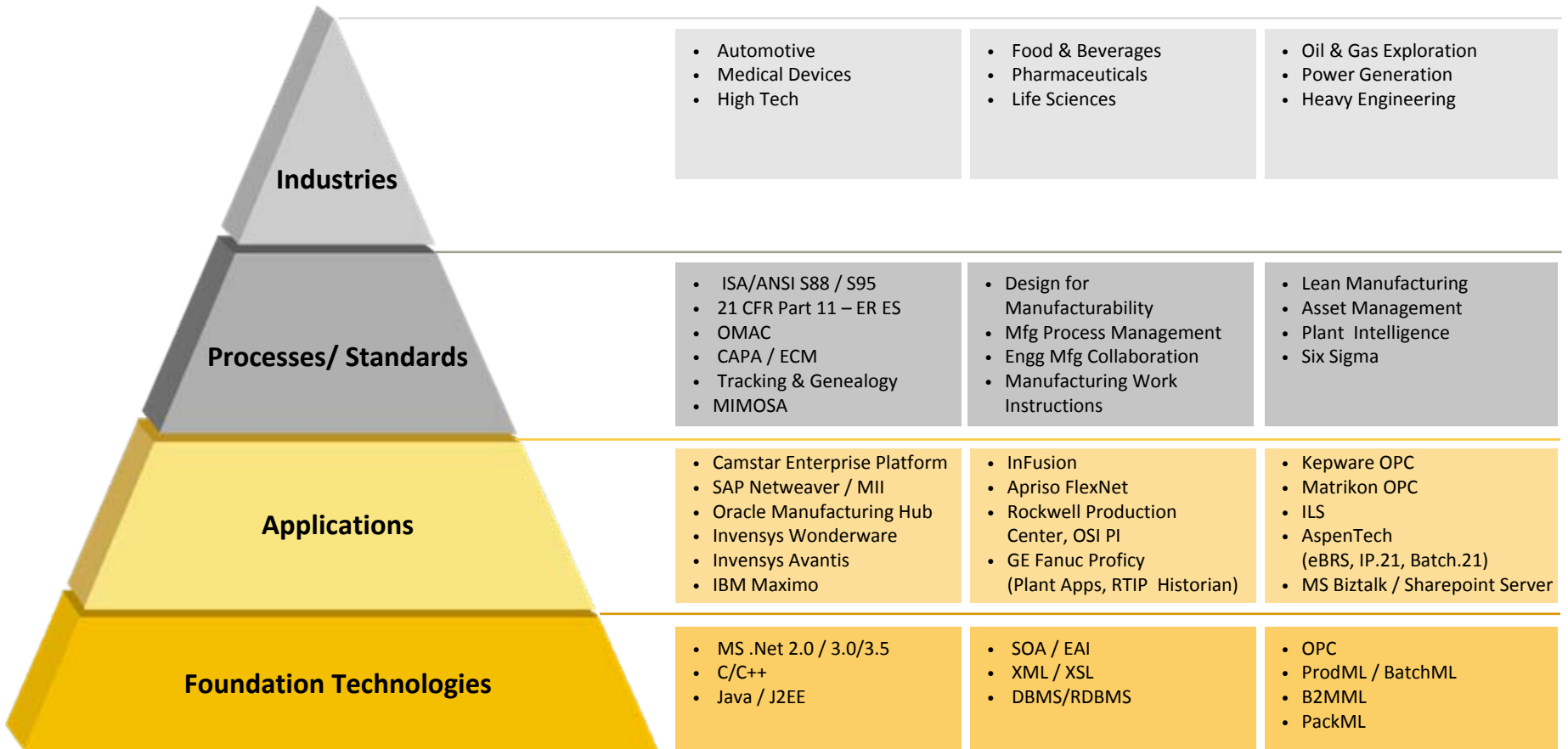


- Partnership dimensions – Product Development, Industry vertical solution development & implementation services
- Pool of consultants trained & certified (~10%) on Wonderware Products
- Dedicated ODC

“This partnership with Geometric will deliver significant benefits to Wonderware Customers. We’ll leverage Geometric’s global delivery capability, existing Wonderware channels and our combined teams’ strong domain knowledge to accelerate solutions deployment for customers that want Wonderware to take on full solutions responsibility.”

Jason Dietrich VP, MES Business Development, Wonderware

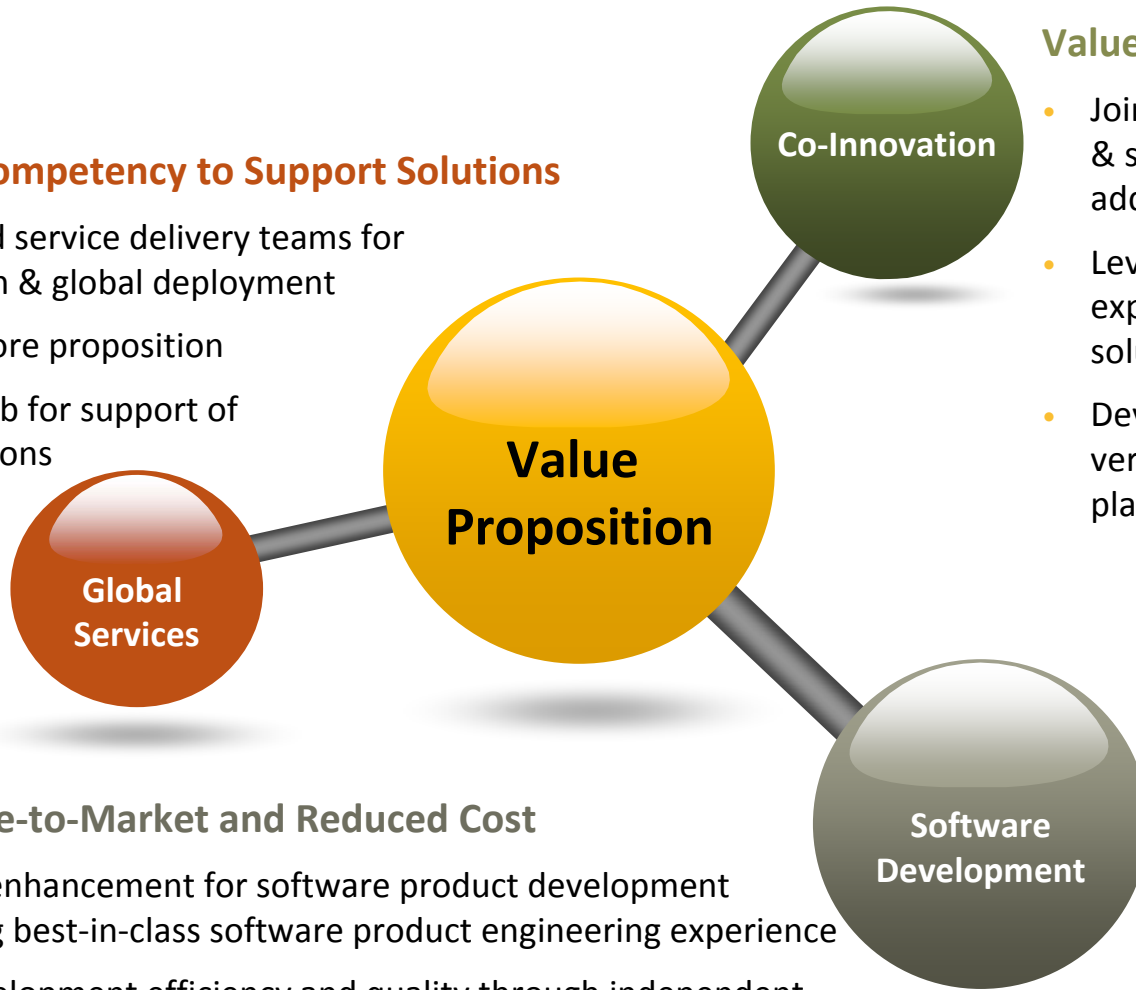
Our Competency Pyramid



Delivering Value to our Customers in Multiple Ways

Capacity & Competency to Support Solutions

- Consulting and service delivery teams for implementation & global deployment
- Scalable offshore proposition
- Centralized hub for support of deployed solutions



Value through Co-innovation

- Joint analysis of current trends & solutions identification for additional value
- Leverage extended PLM expertise to create integration solutions
- Development of industry vertical solution on existing platforms

Faster Time-to-Market and Reduced Cost

- Capacity enhancement for software product development leveraging best-in-class software product engineering experience
- Drive development efficiency and quality through independent QA and testing

Our Value Proposition





END OF PRESENTATION

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