Bridging to PLM with OSLC





We design and distribute software solutions for Enterprise Interoperability, Data

Transformation, and Model-Based Code

Generation to improve traceability, exchange, and sharing of engineering data in highly regulated industries.

With offices in France, Germany and the USA, we deploy our solutions worldwide in Aerospace, Automotive, Transportation, Defense and Medical industries.

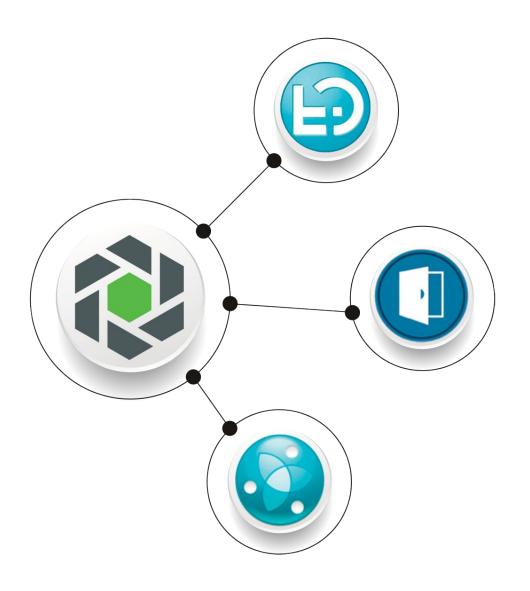


Our Mission

Integrate the engineering enterprise to accelerate your ideas to market.



Integration with PLM with OSLC





What is Unique about PLM

- It reflects the organization
 - Main System of Record
 - Scope and Impact in an Organization
 - Level of Customization
- The method of configuration management
 - Storage
 - Versioning
 - Configuration selection



PLM as the System of Record

- PLM Foundational
 - Provide the golden source of the data
 - Long term storage of engineering assets
 - Configurations are embedded with the data
- Relationship to OSLC
 - Copy based solution rather than link based
 - · Internally linked, but not typically externally
 - Intermixed data, versions, and configurations



PLM Versioning

- PLM Foundational
 - Artifacts are versioned singularly
 - Artifacts are versioned linearly
 - · Artifacts can be branch, but not merged
 - Artifacts are released individually & used many time
- Relationship to OSLC
 - Artifacts similar resources
 - Artifacts similar to components
 - Artifact versions similar to baselines

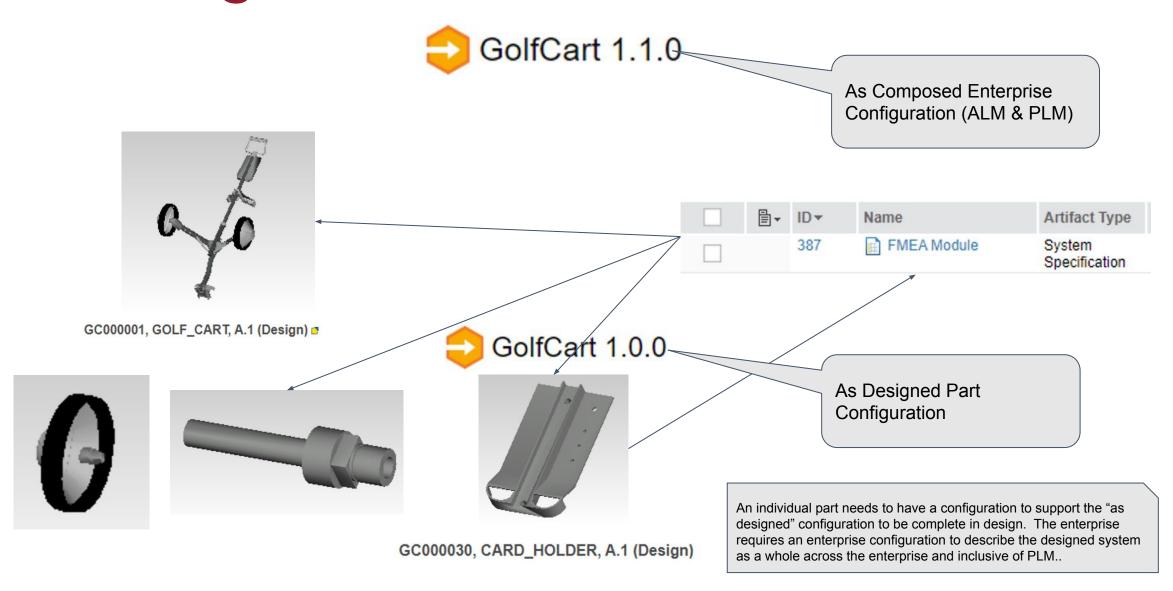


PLM Configuration Strategies

- PLM Foundational
 - Configurations mix both structure and version
 - Configurations are described by filters/selection criteria
 - Configurations are calculated, rather than applied
- Relationship to OSLC
 - PLM Configurations externally look like local configurations
 - PLM Projects appear like the containers
 - PLM configurations must participate in an enterprise configuration



Configurations in PLM with OSLC





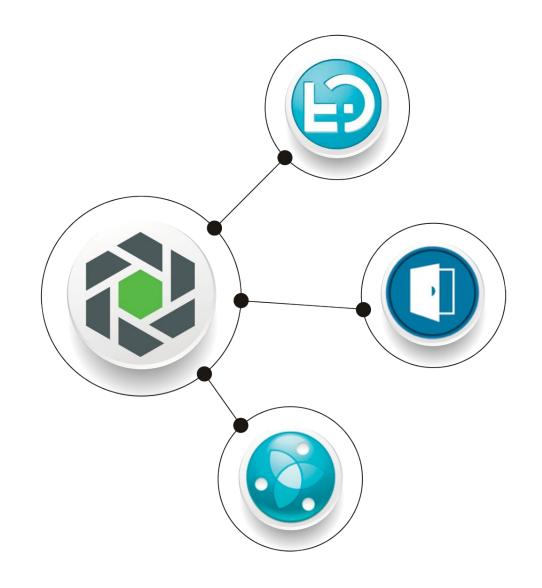
PLM in the OSLC Enterprise

- PLM Assets must be treated as configurable elements
- PLM Assets need to persist in the "as designed" and "as used" configurations
 - Configuration Aware and Configuration Participant roles
- It is mandatory to have a Enterprise Configuration Manager
- OSLC can reduce the burden of PLM as the only Enterprise Repository





Integrate PTC Windchill with IBM Engineering Lifecycle Management.





What we value in our products

- Engineers working where they are productive
- Tools that are **flexible** to the engineering needs
- Tools that work in the enterprise



OSLC Connect Products

- Deep integration of OSLC interfaces to existing enterprise repositories
- Target all OSLC compliant tools

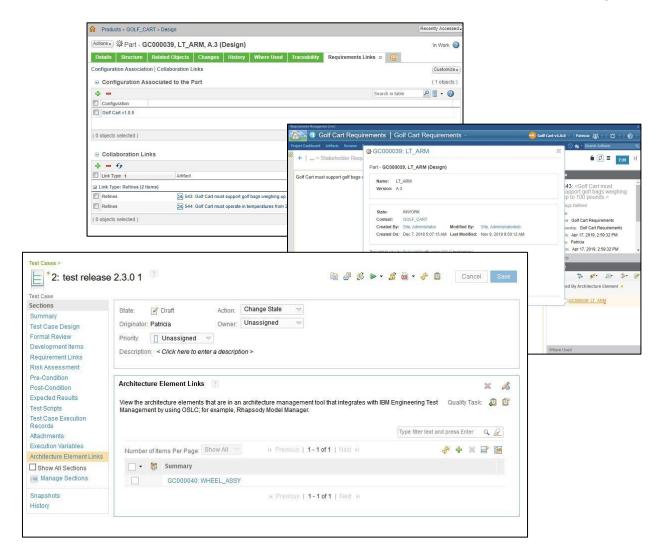
Focus on Enterprise requirements and constraints

Deliver on the **Digital Thread**



Windchill Parts

Product organizations are driven by their physical parts, part versions, and collections of parts. These parts must address specific requirements and are leveraged in the quality practices.



Use Cases

- Parts must conform to a collection of requirements and standards to support design
- Quality activities execute on specific parts for performing tests and with execution results

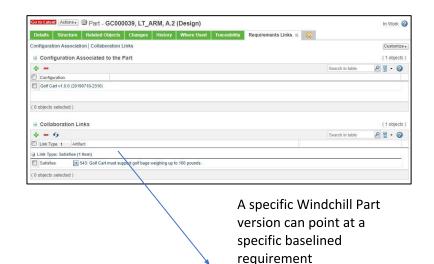
Solution

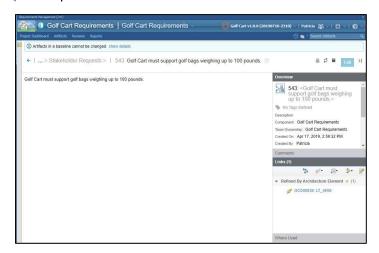
- Provide the ability to identify specific requirements (and versions) from Windchill
- Provide the ability to link quality artifacts (test cases & test execution results) to Parts



Windchill is Configuration Aware

Artifacts in Windchill participate in a world of versions. Windchill parts are versioned and their links operate in a world of versioning.





Non-Global Configuration ELM Environments

- Parts link to ELM artifacts
- Backlinks are created on ELM artifacts
- Links identify the current artifacts

Global Configuration ELM Environments

- Parts link to ELM artifacts
- Parts are discovered related to requirements
- Part versions target a configuration to enable identification of specific requirements





Live Demo





Achieve the Digital Thread with OSLC technology.





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