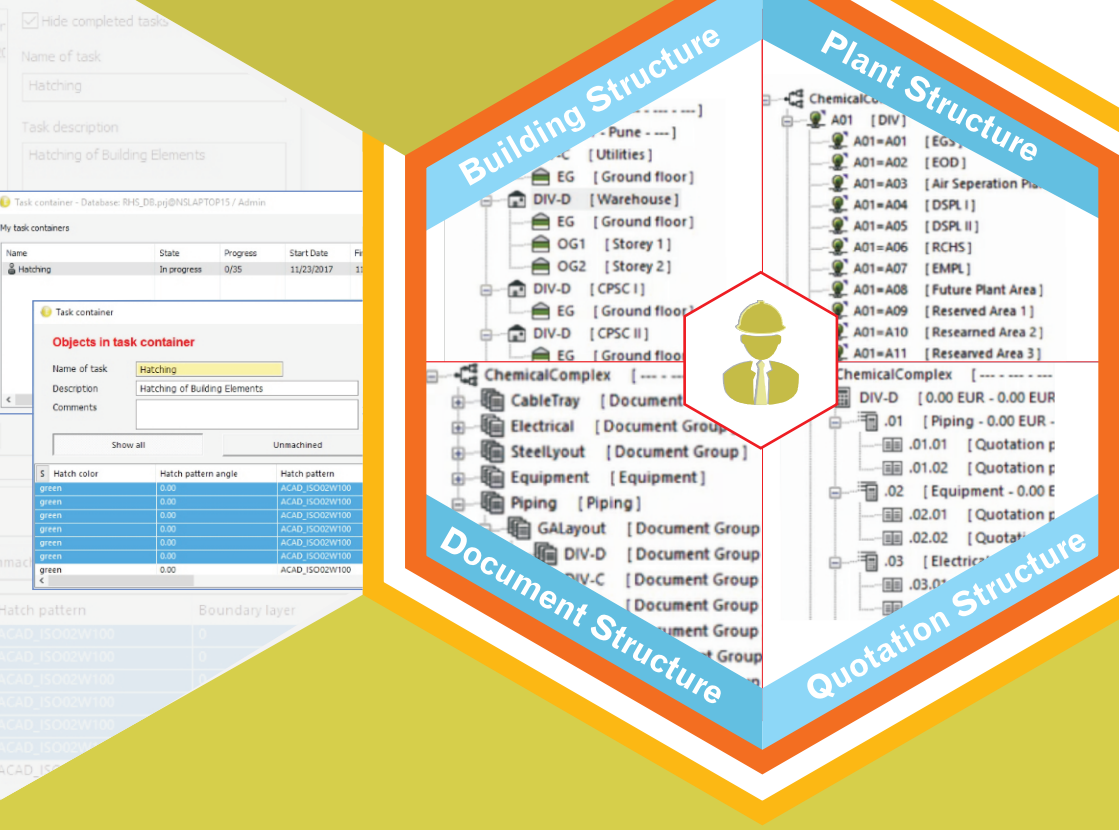
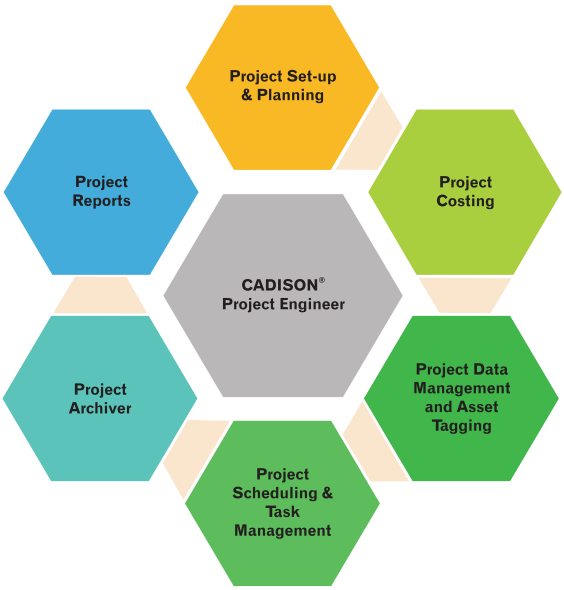
CADISON® Project Engineer

Complete Management of
Project Administration, Planning, Costing,
Scheduling and Monitoring



A Non-CAD module for Project Setup & Access Rights, Costing, Planning Work Breakdown Structures, Project Status Reviews and Engineering Information Management throughout the Plant Design Life Cycle. It also has an interface to MS Project for Project Scheduling and Monitoring.

CADISON Project Engineer for Project Cost Estimation & Project Supervision at Management Level without CAD

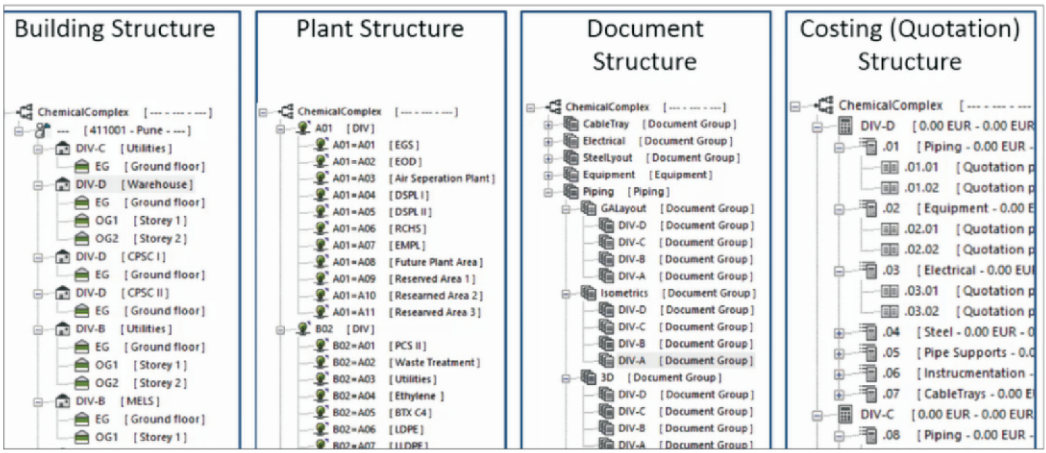


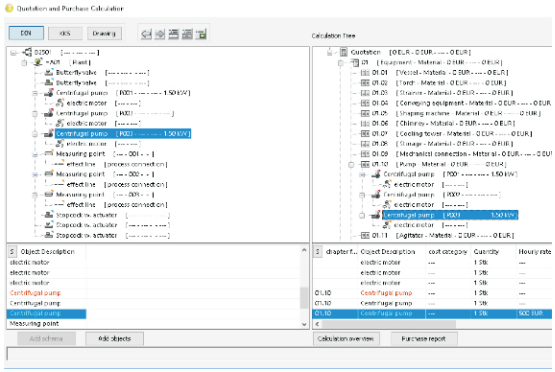
Key Features:

- Easier Plant Set-up (multi-disciplinary project structure)
- Innovative & Simple-to-use 'User Interface'
- Effective and central management of engineering data through built-in PDM
- Saves the cost and efforts of managing and monitoring projects with task assignment and monitoring functionality
- Interface with MS Project for Scheduling
- Built-in Cost Estimator for project costing
- Bi-directional interface with ERP systems
- Asset Tagging for identification of objects
- Reports for management review(s)
- Reduce project collaboration costs and errors

Structured Project Set-up and Planning:

- Tree Structure with the user-friendly interface (Object Manager & Object Inspector)
- Project grouping / structuring with plant areas, drawings and documents in 'document / folder groups' in a hierarchical manner (Parent-Child Relationship of objects)
- Easier input of data (attributes) through Object Inspector. Easy drag and drop features to add external documents (PDF, Excel, Word, XML files, etc.)
- Check-in and check-out functionality





Structured Project Costing with Built-in Cost Estimator:

- Built-in calculation module for price calculation (assigning list prices, factors, discounts rates, etc.)
- On-line calculation, quotation, actual price, calculation on the basis of working hours, discipline wise calculation, etc.
- Cost calculation for non-Engineering assets / Consumables (e.g. lubricants, paints, weld items, facility items, etc.)
- Automatic updates of Costing reports based on changes done at the project / object level
- Direct access to Cost Information through the bi-directional interface with ERP

Project Data Management and Asset Tagging:

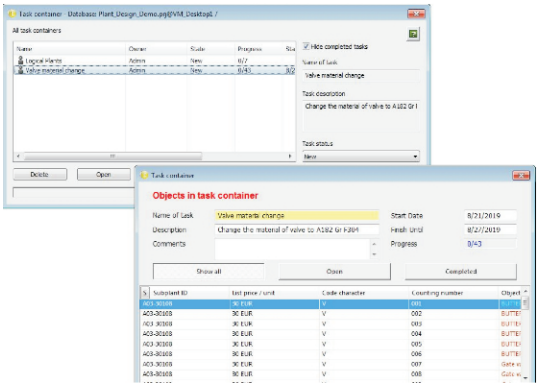
- Manage (plant) project documents and deliverables through Project Engineer Tree Structure and built-in PDM system
- Integrated viewer for viewing of plans and documents (isometrics, piping and instrumentation diagrams, 3D models and construction deliverables)
- Define and manage objects (Assets) and attributes by defining your own tagging system or industry-standard tagging convention (DIN, KKS, etc.)
- Maintain the uniformity in Asset Tagging across the plant disciplines (piping systems, equipment, etc.) which is synchronized to accurate plant drawings

it factory solution provider

pipeline list

Customer: ---
Project: STRUCTURED_DEMO_IMPERIAL
Project no.: ---

Pipeline no.	Description	Material	Medium	DN	PN
=WS001P001	Pipeline for City Water ---	Carbon Steel	City Water	12"	150LBS
=WS001P002	Pipeline for Water ---	Carbon Steel	Water	6"	150LBS
=WS001P003	Pipeline for Water ---	Carbon Steel	Water	6"	150LBS
=WS001P004	Pipeline for Water ---	Carbon Steel	Water	4"	150LBS
=WS001P005	Pipeline for Water ---	Carbon Steel	Water	4"	150LBS
=WS001P006	Pipeline for Water ---	Carbon Steel	Water	4"	150LBS
=WS001P006	Pipeline for Water ---	Carbon Steel	Water	4"	150LBS
=WS001P007	Pipeline for Vent Air ---	Carbon Steel	Vent Air	1"	150LBS
=WS002P012	Pipeline for Water ---		Water	6"	
=WS002P013	Pipeline for Water ---		Water	6"	
=WS002P014	Pipeline for Water ---		Water	4"	

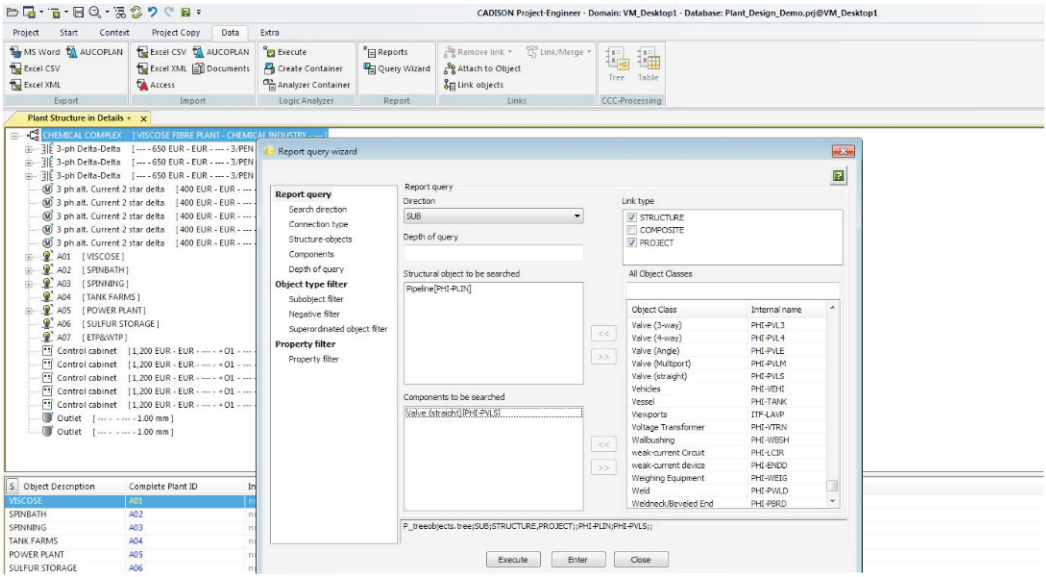


Project Scheduling & Task Management:

- The task container enables the project administrators to plan, create and monitor the project data
- Ability to define to-do (task) list for all project members and progress can be monitored by Administrator
- User access rights and task assignment
- Bi-directional Interface with MS Project for Scheduling

Report Generation:

- Ability to customize Report Templates with ease and generate reports at the desired project or object level from the tree structure
- BOM & Reports for various document groups
- Generate purchase reports and proposals directly from the CADISON® Project Engineer
- Non-technical managers / management can get the overall visibility into the plant progress quickly by reviewing & creating the updated reports
- Report Query Wizard for quick and accurate report template creation, saves time and reduce the errors



Benefits:

- Single system for Project Planning, Project Control Management, and Cost Estimation
- Reduces Project Planning and Data Management time by 30%
- Improves Pre-bid Engineering process significantly
- Context-based dynamic input forms for better usability of project work-flow management
- Integration with business systems (ERP) for accurate procurement decisions
- Built-in Revision Management and Change Management for Error-Free Planning
- Reusability of data for future projects for quick Project Planning & Cost Estimation
- Single Repository for all Non-CAD files, PDF (drawings), Reports, etc.
- Asset Information Management (for maintenance)

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