

MPDS₄

PLANT & FACTORY OWNER OPERATORS

The Challenges of Constant Change

Plant managers and heads of engineering regularly face a barrage of change requests to their plant or factory based on:

- changes in legislation
- changes in product or production methods
- changes or new developments in machinery or technology

The typical objectives of these changes are:

- regulatory compliance and best practice
- improved health and safety
- cost reduction through productivity gains or consolidation of assets
- optimised use of materials, energy and human resources
- increased product quality / reject rate reduction
- reduced product costs and production times
- increased manufacturing flexibility

Whether a management directive or engineering initiative, any change needs to be evaluated and estimated before it can be rejected, or accepted as a realistic project which can be funded and delivered.

MPDS4: Easily Evaluate Plans for Change

MPDS4 helps you evaluate proposed changes by allowing you to rapidly visualise any change concept:

- **Fast Layout:** Create concept layouts with large catalogs of standard and generic parts using intelligent tools for auto routing and speedy editing
- **Space Management:** Answer the question “will it fit?” by assessing space and impact on current plant with automatic interference checking
- **3D walk-throughs:** Easily explain proposals to non-engineers by defining and running 3D walk-throughs directly in the design data
- **Cost Projections:** Automatically generate BOMs from equipment, steel, pipework and electrical design to price up the change

MPDS4: Easily Implement and Manage Change

With MPDS4 you can detail and implement selected projects to a high quality standard, on time and on budget:

- **Single data source:** Refine your concept data and easily read in 2D and 3D formats from contractors and suppliers, all stored as your plant record
- **Less mistakes during construction:** 3D planning with interference and consistency checking means avoiding huge costs when time is money
- **Less red tape:** A single plant design database with project data control means efficient, provable implementation of legislative requirements
- **Greater Harmony:** A clear process of evaluation and visualisation of changes greatly increases staff buy-in



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