

# Design Assist

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Design Assist is a service that provides customers with maximum value through optimised system design. Working with an existing project design or concept, Armstrong will reconfigure the system layout to deliver optimal system efficiency, complete owner/operator satisfaction and substantially reduced equipment and installation costs.

Design Assist

The Design Assist cost analysis details the savings between the original design and the optimised design. The report includes equipment selections and a summary of savings in piping and floor space.

#### 6.0 Design Layout

Revised system designs typically generate significant space savings as well as maintenance and control improvements.

#### 5.0 Energy Considerations

Reduced pipe length means reduced friction, increased system efficiency, and reduced carbon footprint.

#### 1.0 Gather Project Information

With your project team we gather all the necessary information in the formats required for Design Assist: mechanical room layout in standard CAD format, equipment schedule, flow schematics, sectional views etc.

#### 2.0 Conceptual Layout

We modify the existing design layout and give you a sketch for concept approval.

#### 3.0 Equipment Selection

Equipment selections are made to enable net system optimisation based on customer priorities.

#### 4.0 Optimised 3-D Layouts

With the new conceptual scheme and equipment, we design the optimised plan configuration using 3D CAD software.

# ▶ The Challenge

The challenge for system designers is to optimise mechanical system efficiency and minimise cost and floor space requirements. Choosing to use standard components and designs may appear to remove reliability risks, but in fact introduces additional costs that are significant and frequently unseen. The use of advanced product technology and design practices can produce cost savings and system efficiencies that create value immediately and for the life of the building.

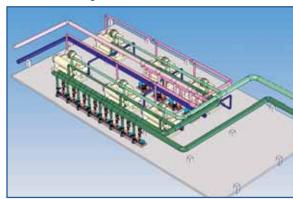
#### **Features**

- ► Armstrong's Design Assist service uses a structured, disciplined methodology for redesigning system configurations for minimal floor space, minimal use of resources, and maximum efficiency. Comprised of seven steps, this service provides customers with an optimal design, based on in-depth knowledge of product and technology integration, and complete life cycle costs.
- ▶ Detailed equipment selections based on current industry data.
- Includes sub-assembly drawings and weight calculations.
- Includes a detailed report, cost analysis and 3D drawing.

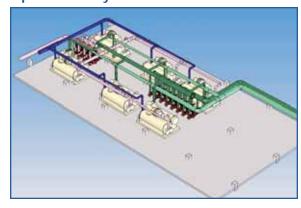
#### **Benefits:**

- ► Typically delivers savings on system components, floor space, piping, installation and energy efficiency.
- ► Armstrong's Design Assist service provides customers with the optimal system layout that lowers the first installed cost.
- ▶ Product selections are based on in-depth knowledge of component integration, and complete life cycle costs.

# ► Standard Layout



# ► Optimised Layout



For more information on Armstrong's Design Assist service, please contact your Armstrong Representative.

EXPERIENCE BUILDING ....



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