



# Accelerate the Workflow from P&ID to 3D Modeling with AI

AI Supports the Entire Process from From-To List Creation to 3D Model Design

Reduces Design Man-Hours with AI by **74%**

\*According to our research

Reduce Man Hour  
by up to **74%**

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Significantly Reduce  
Human Error



Reflect P&ID Changes  
Instantly  
in the 3D Model



## Common Challenges in P&ID Tasks

### Manual P&ID to From-To List Creation Increases Time and Errors

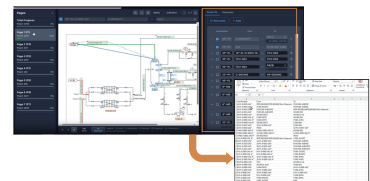
The task is highly time-consuming and labor-intensive. Every time a drawing is revised, the list must be recreated, placing a significant burden on engineers. Under the traditional workflow...

- ✓ Transcription errors affect downstream processes, including MTO
- ✓ Identifying and updating changes during process revisions is time-consuming
- ✓ Each project takes several hours to several days to complete

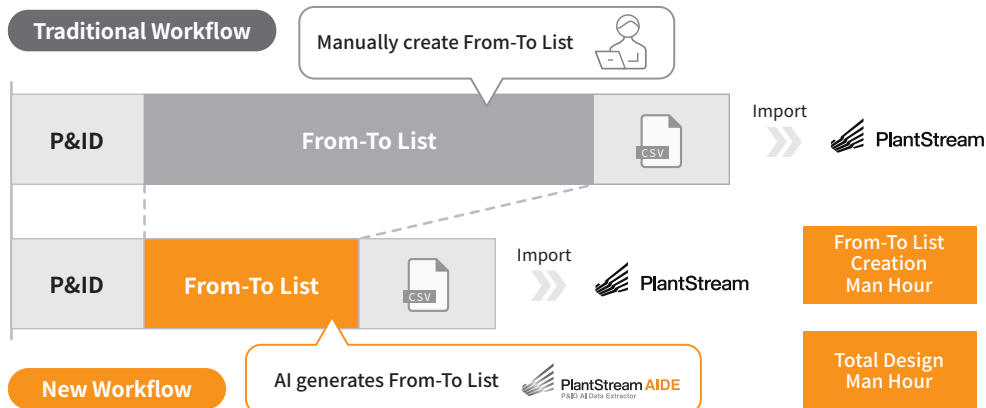
## With PlantStream AIDE

### Eliminate Time-Consuming Manual Work with AI

AI extracts piping connection data and enables one-click generation of From-To Lists that can be imported directly into PlantStream.



- ✓ AI analyzes P&ID diagrams and extracts line, nozzle, and equipment IDs
- ✓ Misidentified items can be easily reviewed and corrected with a single click
- ✓ Automatically generates From-To Lists for direct import into PlantStream
- ✓ Batch auto-piping design using the AI-generated From-To List and auto-routing feature
- ✓ Streamlines identification of changes when P&ID diagrams are updated



From-To List Creation Man Hour **Maximum 50% Reduction**

Total Design Man Hour **Maximum 74% Reduction**

\*According to our research

