

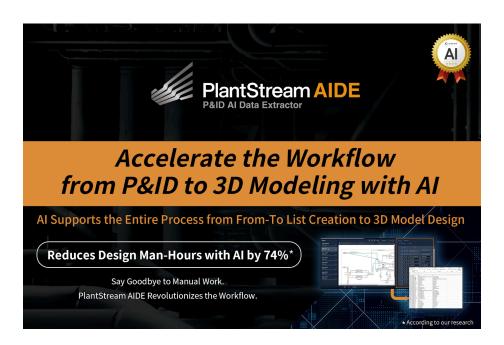
August 7, 2025 Arent Inc.

[New Product Release] Introducing a New Al Tool for the Plant Industry "PlantStream P&ID Al Data Extractor"

Automatically Generates Piping Connection Lists from P&ID Using AI Early Trial Access Now Available via PlantStream, Full Launch Planned for This Winter

Arent Inc. (Headquarters: Minato-ku, Tokyo; CEO, President and Representative Director: Hiroki Kamobayashi; TSE Growth: 5254) is pleased to announce the release of a new Al-powered tool designed to streamline early-stage plant design: *PlantStream P&ID AI Data Extractor* (hereinafter, **PlantStream AIDE**). Early access to the tool trial is now available, with a full-scale launch scheduled for this winter.

This solution enables users to upload a piping and instrumentation diagram (P&ID), and the Al automatically extracts and organizes piping connection information (From-To List). This dramatically reduces the time spent on manual data organization—cutting work time by approximately 50%.



■ Background and Strategic Positioning

Arent is executing an "Application Integrated Platform Strategy," in which highly specialized applications for architecture, civil engineering, and plant sectors are developed in-house or acquired via M&A, and seamlessly integrated to address industry-specific challenges. These solutions enhance productivity at the operational level.

PlantStream AIDE is a key component of this strategy. It streamlines the creation of piping connection data during the early phase of plant design using AI, significantly improving design speed. The tool is also expected to integrate with *PlantStream®*, Arent's flagship 3D CAD solution for plant piping design, as part of a broader ecosystem to support plant engineering workflows.

■ Product Overview

- Product Name: PlantStream P&ID AI Data Extractor
- Use Case: Extracting piping connection data and generating From-To Lists from P&ID drawings
- Target Users: Companies involved in plant and piping design
- Early Trial Access Release: Early August 2025
- Official Launch: Winter 2025 (Planned)
- **Delivery Model**: Cloud-based SaaS (Planned)
- **Pricing**: To be determined

■ Challenges Addressed & Key Benefits

Creating a From-To List by manually interpreting P&ID drawings is time-consuming, labor-intensive, and prone to human error. This task often depends on individual expertise and can become a bottleneck in the design process.

With PlantStream AIDE, users simply upload a P&ID, and the AI instantly analyzes and outputs the connection list. Even if misrecognitions occur, corrections can easily be made via drag-and-drop within the interface—no advanced CAD or piping knowledge required.

▼Expected Benefits:

- Reduces task time by approximately 50%
- Minimizes errors and omissions in connection data
- Achieves a 93% reduction in man-hours from From-To list generation to 3D model design

■ Product Demo Video

▼Watch how the AI extracts From-To List from a P&ID diagram: https://youtu.be/7RfQmDj8ajs

■Future Development Ideas

The following features are scheduled for sequential release to further enhance operational efficiency:

- Automated Recognition of Valves and Equipment
 - All automatically identifies valves and equipment on drawings, significantly reducing manual workload.
- Automated Extraction of Material Quantities
 - Material quantities required for construction are automatically extracted from drawings to support estimation processes.
- API Integration with Other Tools (e.g., PlantStream®)
 Integration with external design and management tools enables seamless data
 - exchange and unified workflows.
- Marking and Change Management on P&ID
 - Provides functionality to mark and track changes directly on P&ID diagrams, improving the accuracy and responsiveness of change management.

■Contact

For product details or inquiries:

https://plantstream3d.com/jp/plantstream-pid-ai-data-extractor/

About Arent Inc.

Arent Inc. is a digital transformation (DX) specialist dedicated to "democratizing tacit knowledge." Leveraging mathematical methods and deep industry expertise, Arent structures the know-how of the construction and plant sectors to support systemization and commercialization.

By transforming advanced Japanese technical assets into scalable products, Arent addresses key structural challenges such as labor shortages, long working hours, and skills transfer.

Company Overview

- Company Name: Arent Inc.
- Head Office: KDX Hamamatsucho Building, 2-7-19 Hamamatsucho, Minato-ku, Tokyo, Japan
- Representative: Hiroki Kamobayashi, CEO, President and Representative Director
- Established: July 2, 2012
- Capital: JPY 811 million
- Business Description: DX consulting, system development, and system sales for the construction industry
- Corporate Website: https://arent.co.jp/