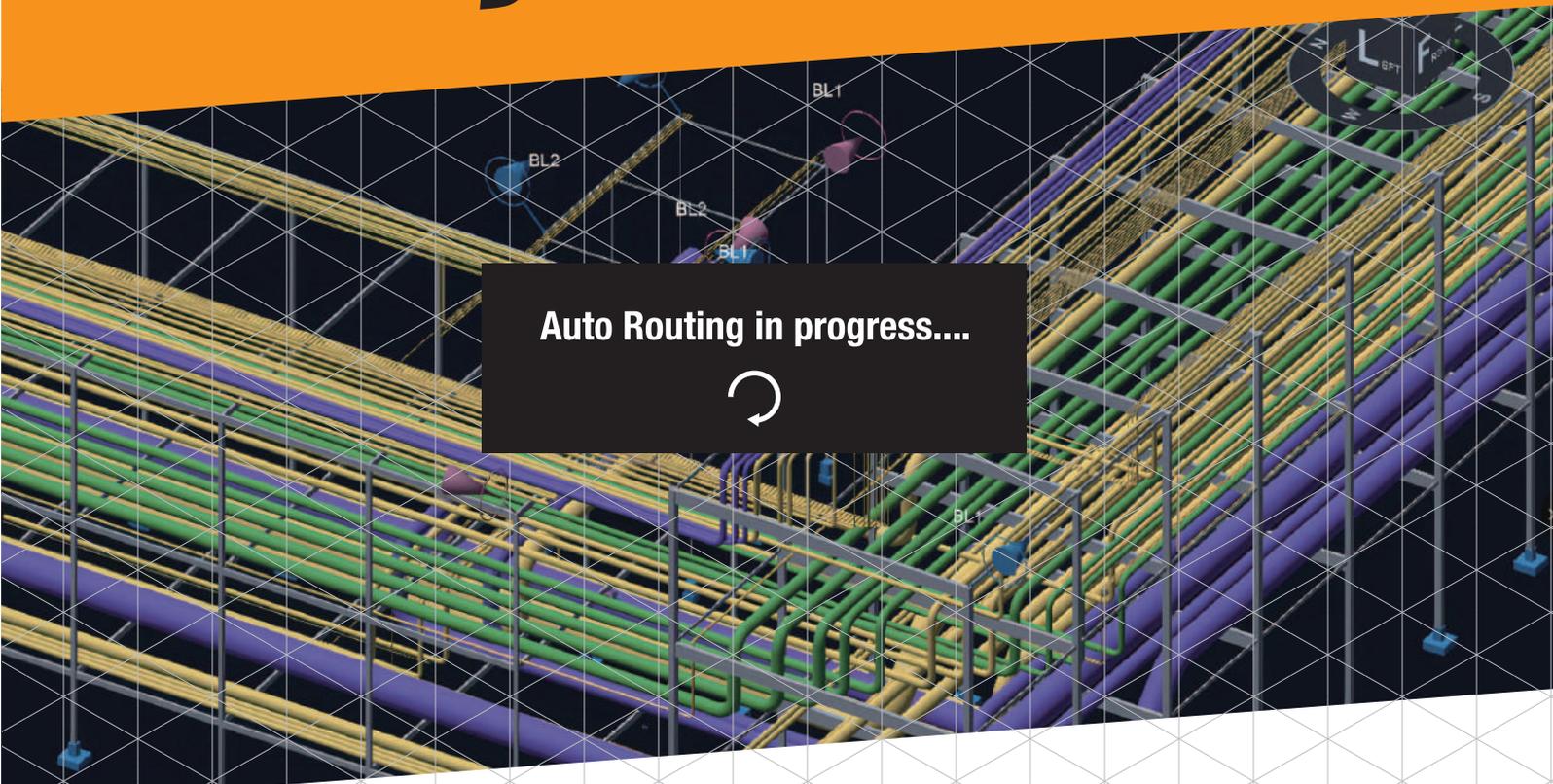




PlantStream

**1,000 Piping in
Only 1 Minute**

*1



Auto Routing in progress....

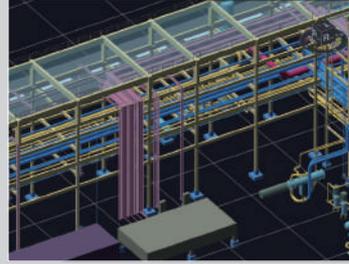


**Phenomenal Speed and Accuracy.
Advanced 3D CAD software to revolutionize Plant Design.**

*1 Automatic routing takes 1 ~ 5 minutes and it depends on the complexity of line.
Even with an extremely large number of structures and equipment, it takes a few minutes at most.

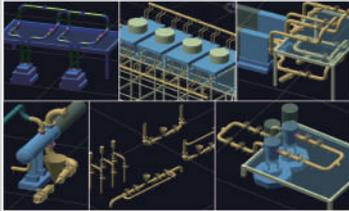
Auto Routing

We achieve extremely fast, accurate, and precise auto routing for pipes and cables. Auto routing 1,000 piping in only 1 minute.



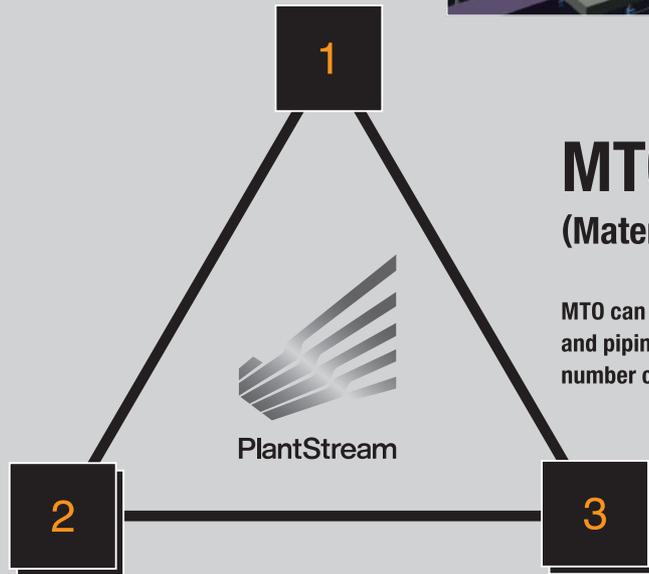
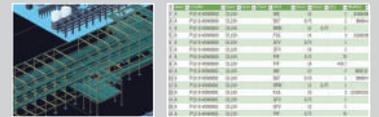
User Friendly 3D Modeling

Easy to operate without any advanced design skill with features like Block Pattern assemblies.



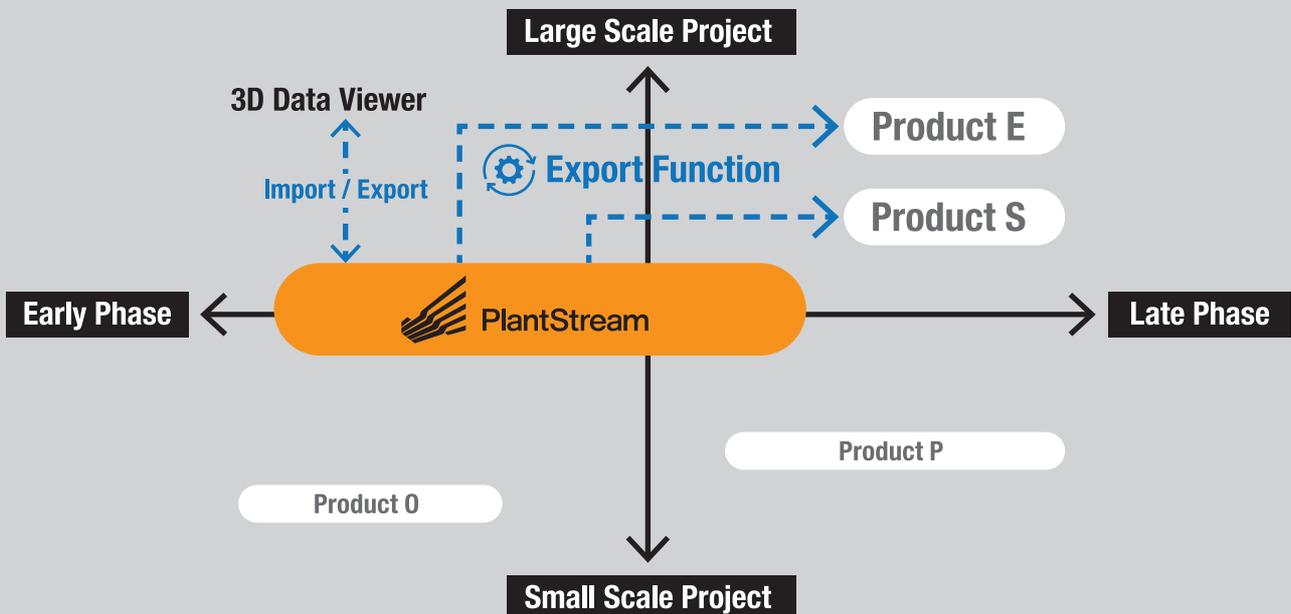
MTO Extraction (Material Take Off)

MTO can be extracted for modeled civil structures and piping layout. Able to calculate the length, number of pieces, volume, etc. of materials per line.



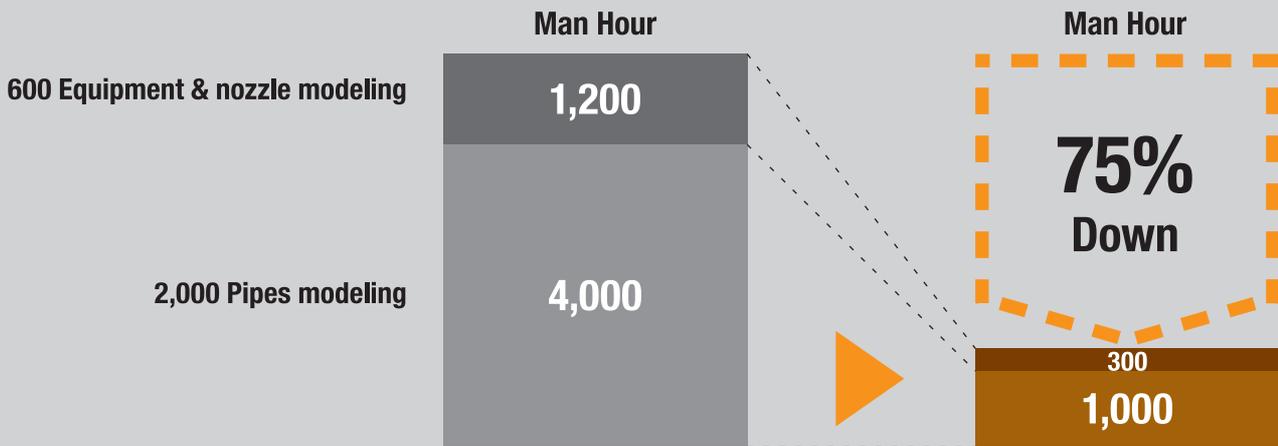
Applicable Design Phase

Highly accurate design from the initial project phase. Initial 3D models can be utilized in the mid and late design phase.



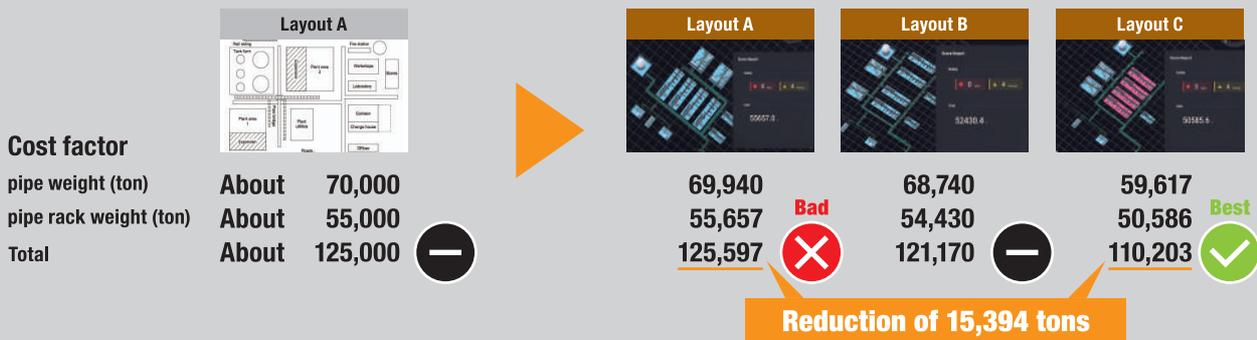
How PlantStream Can Benefit Your Project

1 Remarkable Man Hour Reduction



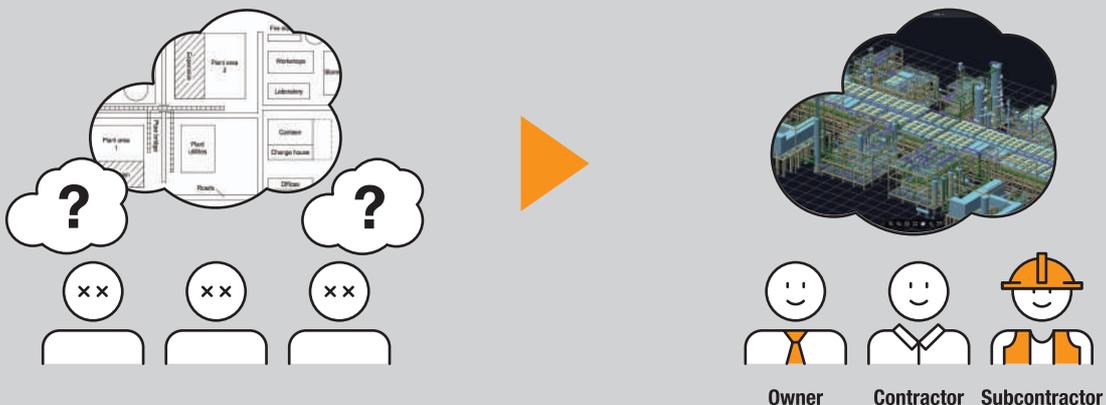
2 Multiple Layout Studies

Auto routing enables multiple layout studies and quantitative comparisons.



3 Visualizing Ideas in Early Design Phase

Enhance common understanding between plant owners and contractors of the final plant image using 3D model.



Comment from Customer

Client Type : Contractor



Yuji Mihara

Section Leader / Piping Digital Engineering Transformation Section



“PlantStream will enable us to quickly, easily, and concretely conceptualize new plant designs.”

PlantStream has an increasing number of users since its implementation in Chiyoda, thanks to its intuitive interface that makes it easy for designers to learn. With over 150 internal users already, it has become widely used primarily in the early stages of project lifecycles such as FS and Pre-FEED. Also we recently started to use in FEED and EPC .

Against the background of accelerating decarbonization and carbon neutrality efforts, our company is also pushing for innovation in our business portfolio. Amidst these changes, we are increasingly dealing with plants that are globally untested. However, by using PlantStream, we are now able to present "plants that no one has ever seen" in 3D at the initial stages of FS and Pre-FEED.

We believe that PlantStream will enable us to quickly, easily, and concretely conceptualize new plant designs for the increasing number of emerging fields in the future.

Client Type : Contractor

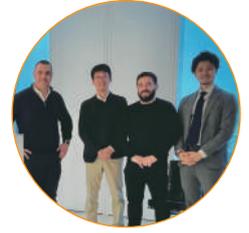


Francesco Scariti

Senior Design Engineer

Tumolo Luigi

Head of General Engineering



“PlantStream is really fast.”

I give one real example that helped me a lot. In the gas treatment plant there are different units connected so there is never enough space. So when I tried to re-arrange the battery of heat exchanger from one unit to another, it only took me a few seconds to find the right fit. As next step I created all related pipes connecting with the heat exchanger and extracted the bill-of-quantity from two different layout options. Within 10 minutes I found not only the more suitable location for the equipment but also identified saving of 10 tons of materials. Such findings can help the offer phase of a project greatly.

United States

Netherlands
France
Italy

S.Korea
India
Thailand
Malaysia
Singapore
Philippines

Client Type : Plant Owner

AsahiKASEI



Mr. Kazufumi Ezaki

Senior Professional Chemical Engineer Lead Expert
Senior Manager
Plants Projects Dept. Engineering Center
Corporate Production Technology

“Improved design accuracy and speed in FS/FEED process allow engineers to more focus on basic design tasks.”

We, the Owner's Engineering Department of Asahi Kasei Corporation, are involved in the project from the "planning" stage of our new plant construction.

In this process, it is crucial to improve the accuracy of the initial phases, FS/FEED.

However, existing 3D CAD software can be complex to operate and it takes time to learn, even for skilled engineers.

In contrast, PlantStream stood out for its ease of use and intuitive 3D modeling features, but what really caught our attention was the "auto-routing" function.

It enables the user to set up piping racks and to specify the start and end points of each pipe within the data, and with just one click, the entire piping route plan is completed.

This means that even with thousands of pipes, the data can be visualized in just a few seconds, significantly improving design productivity.

By being able to create accurate project plans in a short amount of time during the FS/FEED phase, we believe that engineers can focus their time and energy on the "basic design" of the project.

Customer References



Mail : sales@plantstream3d.com

Get a demo



PlantStream