

Element Unify P&ID Productivity Client

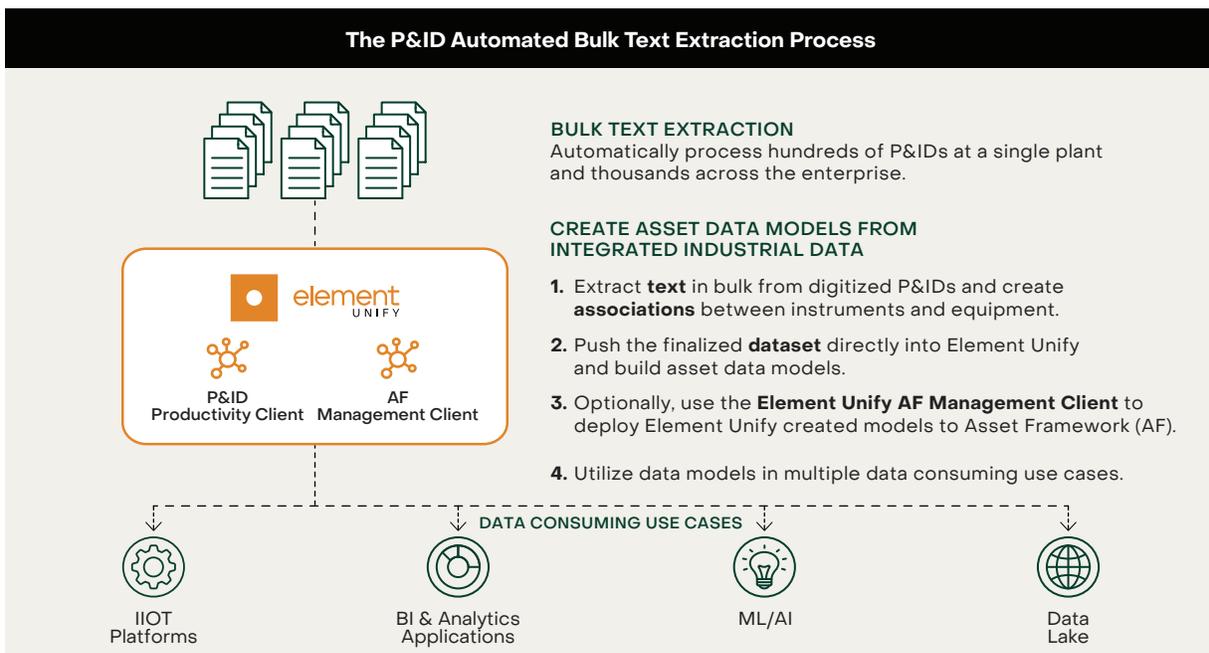
Extract Text from P&IDs in Bulk, Delivering Sustainability and Reducing Project Timelines From Months to Weeks.

DATASHEET

What is the Element Unify P&ID Productivity Client?

Operations professionals struggle with extraction of context from Piping and Instrumentation Diagrams (P&IDs), to map industrial sensors to asset data models. Manual extraction of context is a time-consuming exercise that introduces transcription errors. Once diagrams are manually transcribed, they are not readily available for use, leading to data validation delays and a high error mapping rate.

The Element Unify P&ID Productivity Client provides the fastest, most streamlined way to extract text from P&IDs in bulk. Users associate text to instrumentation and equipment through the software, compacting project timelines from months to weeks. Use the client in conjunction with Unify to progress your enterprise-wide digital transformation initiatives much faster, towards a more data-driven future.



Easy and Fast Bulk Extraction at Scale.

Key Features

Automated Text Extraction: Automate the manual transcription process and compact project timelines from months to weeks.

Element Unify Template Integration: Direct mapping with Element Unify's asset templates saves time and reduces mapping errors.

Index and Search: Persist and share processed P&IDs to reduce future data discovery times across the business.

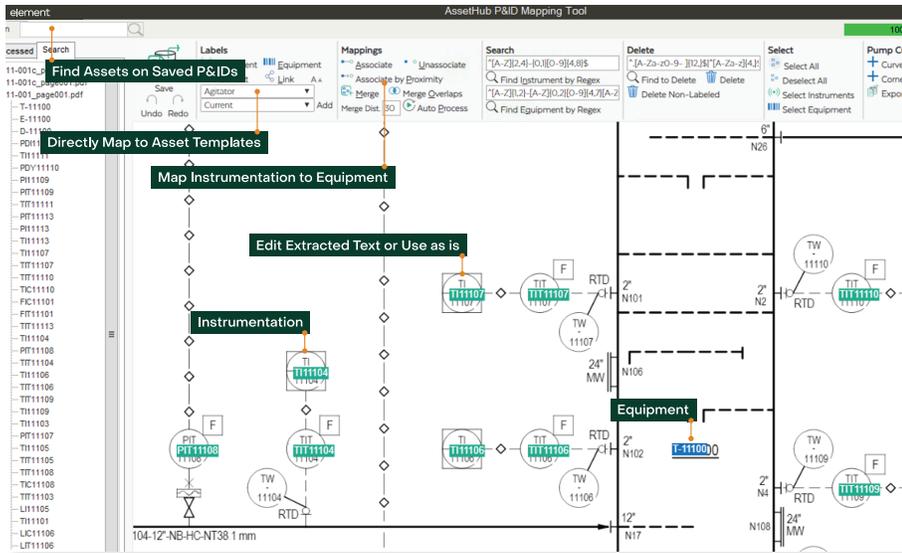
Multiple File Support: Supports PDF, CHIFOS, DEXPI, ISO 15926 and PNG file types.

Flexible Text Matching: Text classifiers with regular expressions reduce mapping times and empower SMEs



"All I had were process charts, a spreadsheet and my brain. We lacked the organizational capabilities to efficiently and reliably gather and manage data for analysis."

Site Technologist



Intuitive Interface Streamlines Text Transcription and Validation

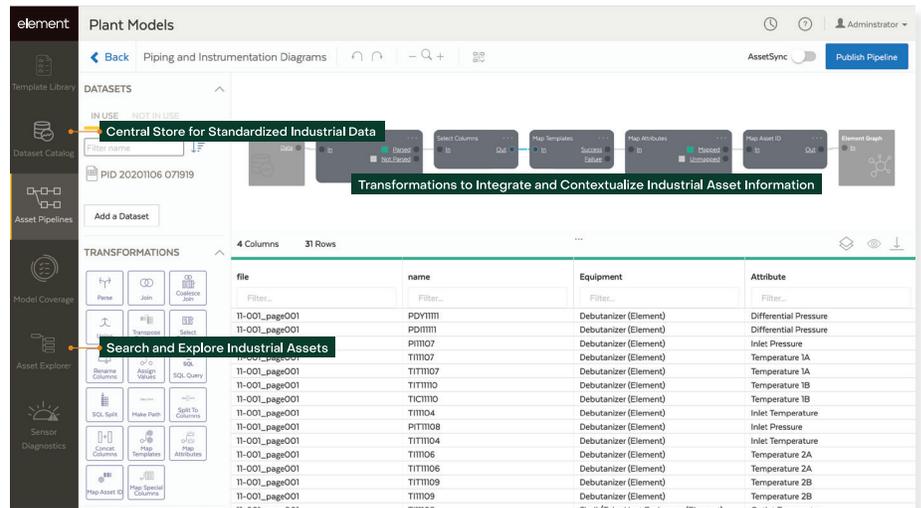
Fig. 1:

Flexible label and mapping options. Map instrumentation to equipment, with an option to auto process the sequence of steps with the click of a button. Visually identify equipment (blue labels) from instrumentation (green labels).

Mapped Instrumentation and Equipment Pushed to Element Unify

Fig. 2

Mapped instrumentation from the P&ID Productivity Client centrally stored in Unify with additional transformations to integrate and contextualize the data model with other industrial information.



Tangible Benefits

- Automatic features reduce transcription errors and accelerate P&ID processing.
- Noisy text is removed, reducing extraction times.
- Better quality of context in P&IDs boosts productivity five-fold.
- Text modifications and validation directly on P&IDs improves QA/QC results and reduces costs.
- Multi-user collaboration reduces QA/QC times.

Related Products

Element Unify | Excel Plug-In | Element Unify for AWS | AF Management Client | Sensor Diagnostics | Element Unify for Azure

About Element

Element powers digitally-enabled operations for the Industrial Enterprise. Tackling one of the most critical gaps in Industrial IoT — the fact that 95% of data across the Industrial Enterprise is unusable because it's fragmented and disconnected — Element Unify breaks through the data silos by bringing IT and OT data together for the first time on a single solution. With Element Unify, IT and OT teams can collaboratively make data-driven operational and business decisions around rich, contextualized metadata, while ensuring scale, reliability and security.

