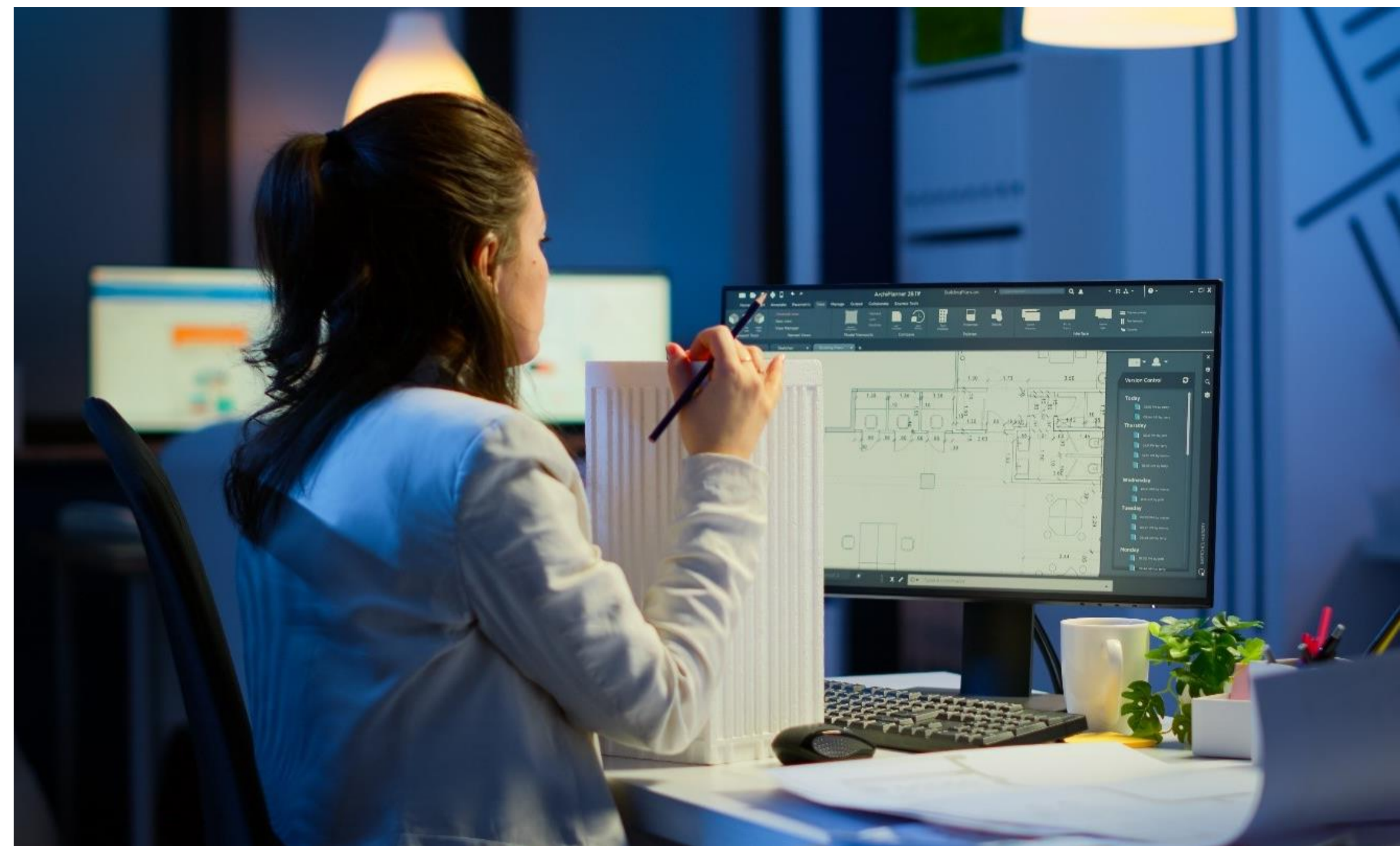


### CAD Explorer

CAD Explorer refers to an AI-based Visual Similarity tool that uses a simplified die sketch as input and can find the closest design matches of the customer's database, based on its cutting-edge image similarity, deep-learning based algorithm. The use of such a tool enables the Sales Managers to quickly search and retrieve the most relevant Die Codes.

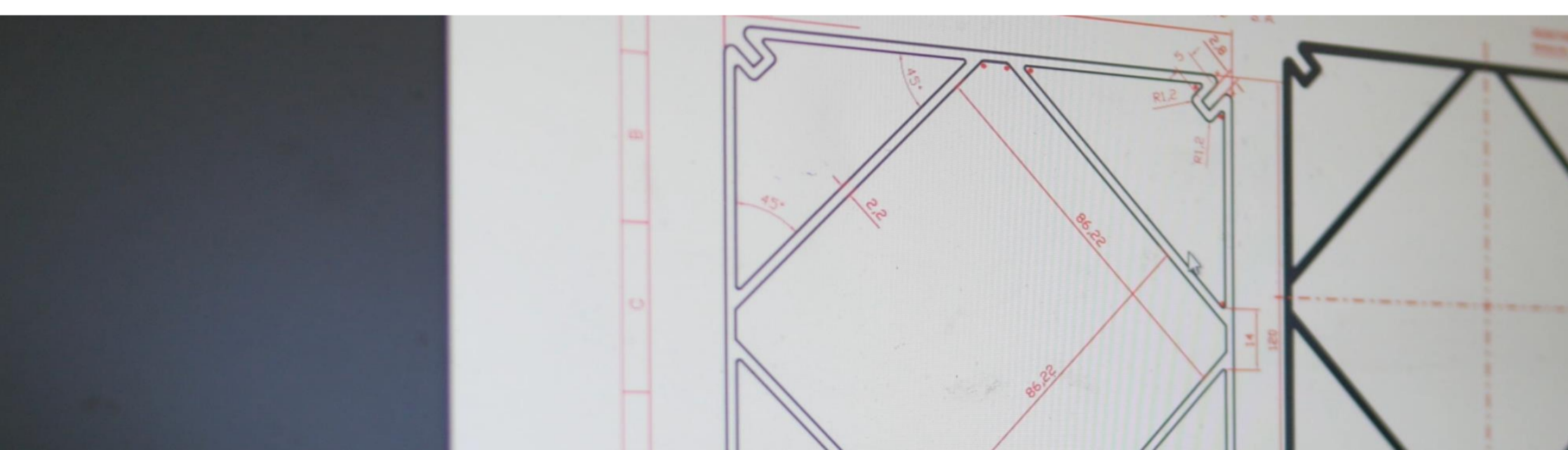


### Features

Accurate and promptly retrieval of the most relevant die codes enables fast and accurate cost estimations. This tool could also benefit the engineers to save valuable time, by retrieving the closest match's Computer-Aided Design (CAD) file to start working with.

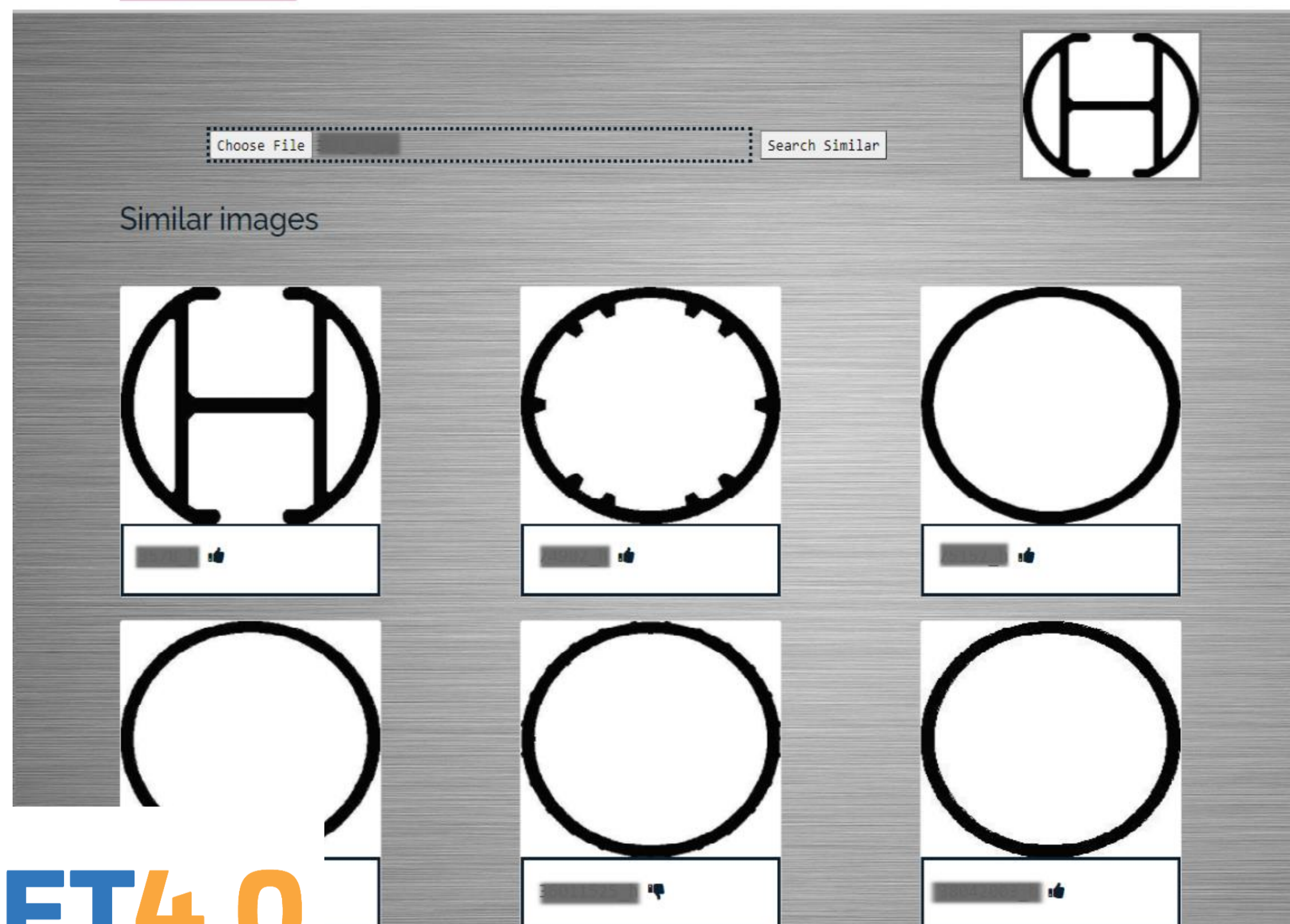
### Benefits

- Eliminates manual searches for CAD files!
- Enables accurate quotations
- Reduction of Time-to-Quote



### CAD Explorer validation

CAD Explorer achieved a 98% accuracy in CAD retrieval, allowing a 99.98% reduction of search times for the Commercial department of ALUMIL SA.



### Acknowledgment

This work has been performed in the context of the CAD Explorer project, an open call #1 winner of the H2020 MARKET4.0 project (market40.eu), with participation of

- D-Cube, <https://www.d-cube.eu/>
- ALUMIL SA, <https://www.alumil.com/>

The H2020 MARKET4.0 project develops an open multi-sided digital platform for enabling production equipment and service providers to connect and work together with manufacturing companies. The MARKET4.0 platform enables new business, based on value-adding interactions among the production equipment and service providers and their customers while at the same time provides an open and participative infrastructure for these interaction