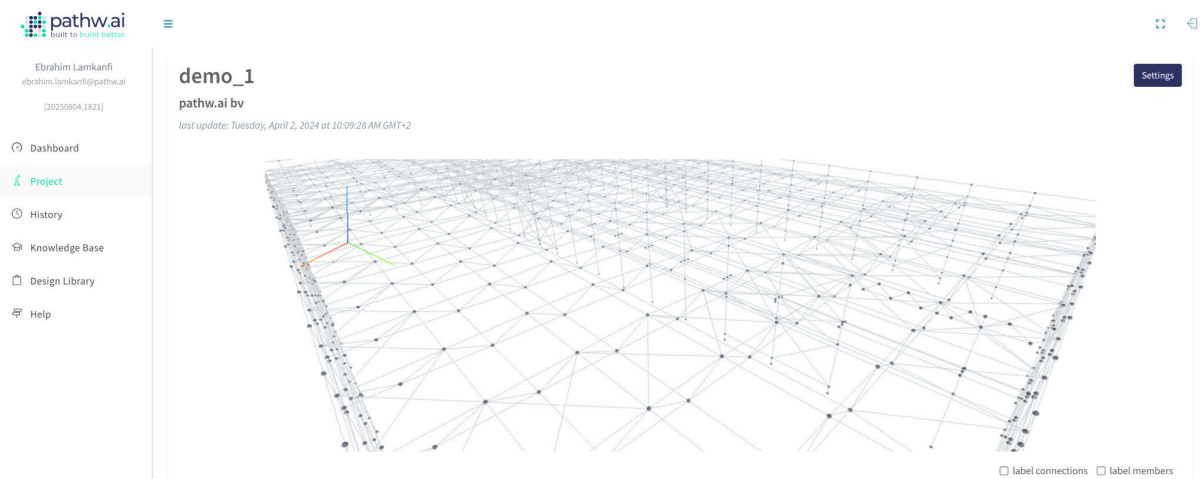


## Intelligent platform for steel structure detailing

Pathw.ai is a cloud-based platform designed to optimize the detailing of steel structures. It is not a calculation tool, but rather an intelligent assistant capable of processing large volumes of technical data generated by engineering software.

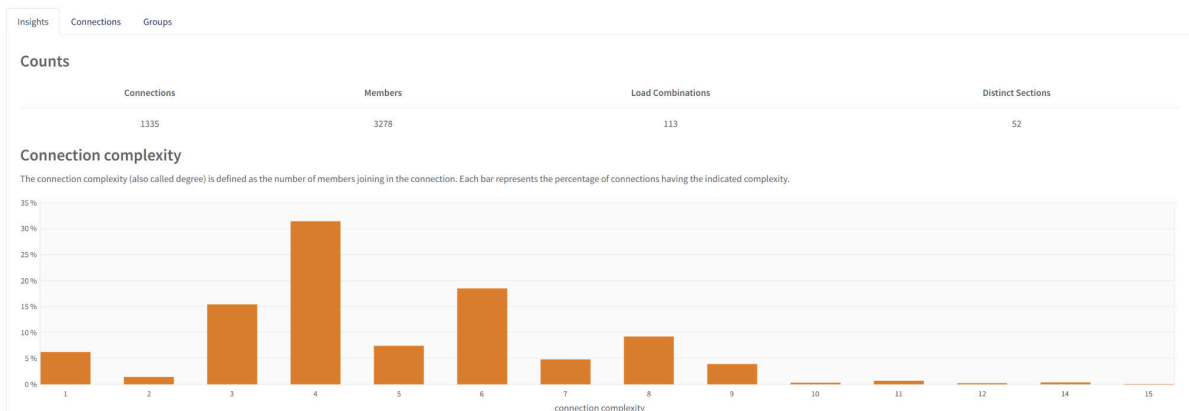
By streamlining the transfer of data from FEA tools such as Robot Structural Analysis, SCIA, STAAD.Pro, SAP2000, ETABS and Technosoft to steel detailing software like IDEA StatiCa, RAM Connection and PowerConnect (BuildSoft), Pathw.ai provides engineers and stakeholders with a fast, accurate and comprehensive overview of their technical decisions.



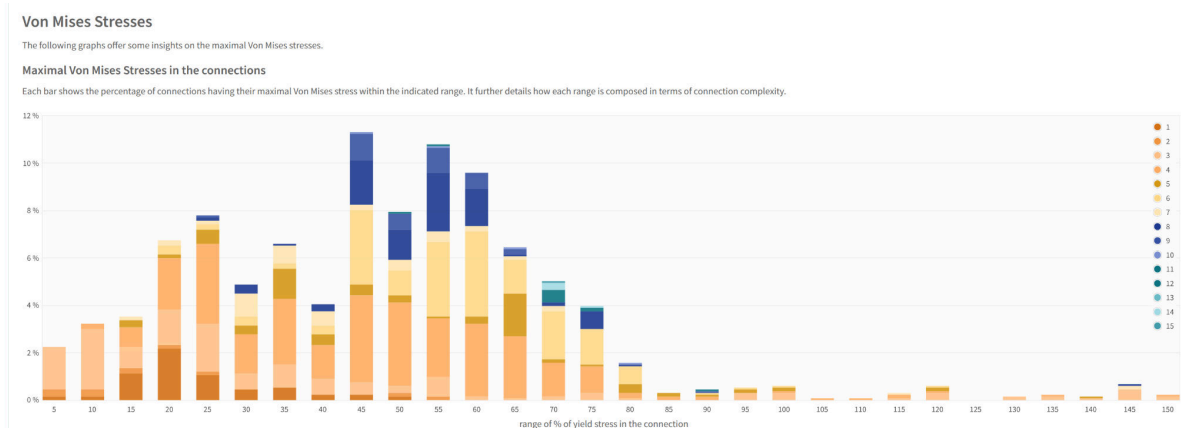
The platform also acts as a technical memory, enabling the storage, sharing and reuse of validated solutions for future projects, eliminating redundant work while allowing users to remain fully responsible for applying their professional judgment, something no artificial intelligence can replace.

## Key features

- **Advanced data analysis:** Enhances understanding of stress states and identifies minimum and maximum forces through a transparent, automated process, saving time on large-scale projects.
- **Intelligent connection identification:** Automatically recognizes similar connections and critical load combinations, helping engineers focus on key structural requirements.
- **Evolving library and technical memory:** Efficiently stores, shares and reuses validated solutions for future projects, independent of any specific software.
- **Simplified collaboration:** Facilitates seamless sharing and exchange of technical data among all stakeholders, even those without FEA licenses.
- **Design and fabrication optimization:** Proactively highlights critical stress states, reduces delays and supports better production efficiency.



Intelligent platform for steel structure detailing  
Article from 09/26/2025 by [www.beida.fr](http://www.beida.fr)  
Version EN



## Benefits

- **Significant time savings:** Minimizes repetitive tasks and accelerates project delivery.
- **Seamless software integration:** Complements traditional engineering tools for a smooth transition from design to production.
- **Enhanced transparency and collaboration:** Improves communication and data sharing among all stakeholders.
- **Continuously evolving platform:** Learns and grows smarter with every project using its technical memory.
- **Experience-driven decisions:** Applies past insights while leaving final judgment in the hands of stakeholders.

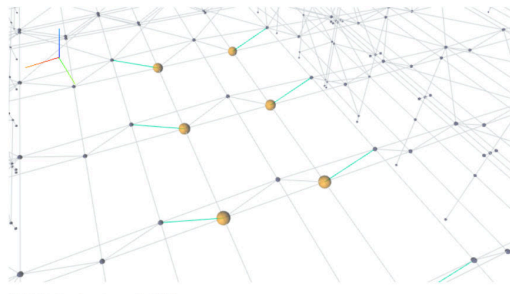
**Intelligent platform for steel structure detailing**  
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**Version EN**

Pathw.ai provides a comprehensive and intelligent approach to steel structure design, effectively processing technical data and building a reusable library of proven solutions. It enhances but does not replace human judgment, ensuring stakeholders retain full control over all design and fabrication decisions.

### Connection Groups

analyzed on 2025-09-24 16:27:07

Containing 264 connection groups



(highlighted: topology of connection N494)

label connections  label members

There are 264 groups satisfying the specified filters.

topology of connection N494 / 59 / pathw.ai

Connections Combinations Template Design

1 2 3 4 5 6

Aligned Members 1

SH570/70/4.0/2

B510 B416 B388 B93 B314 B457 B118 B413 B233 B429 B398 B469 B454 B525 B317 B485 B164 B373 B472 B217 B161 B385 B441 B329 B133 B289 B136 B426 B248

Forces [kN]



### Supported tools and connection libraries

- **CSI:** SAP2000 / ETABS
- **Idea StatiCa**
- **RAM Connection**
- **Technosoft:** Raamwerken
- **Bentley:** STAAD.Pro
- **Dlubal:** RFEM5 / RFEM6 / RSTAB8 / RSTAB9
- **Nemetschek:** SCIA
- **Autodesk:** Robot Structural Analysis

Includes 2,000+ pre-calculated Eurocode 3 compliant shear connections provided by the Dutch Steel Association.

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Patrice HÉLIE, Business Manager Structural Software

Official website: <https://www.be-idba.fr>