voortman STEEL GROUP

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MSc confidence in construction

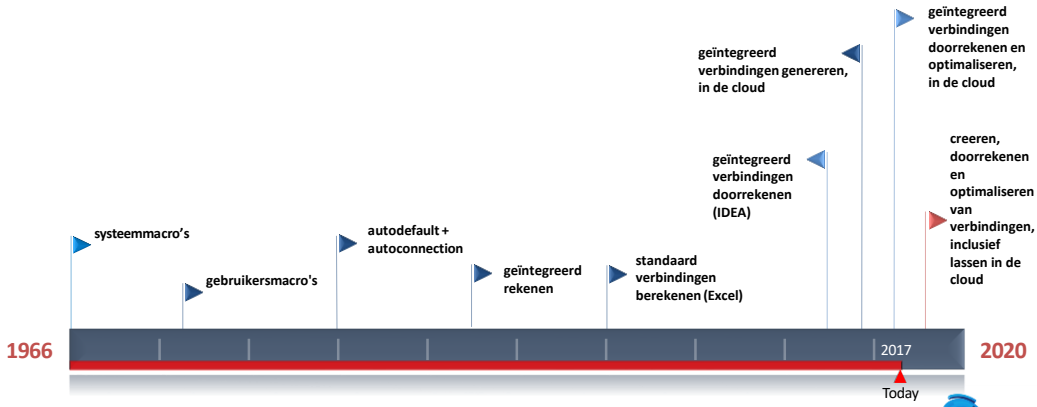
De Staalbouw van de toekomst; nu al werkelijkheid?

bouwen met staal

Kristiaan Flierman

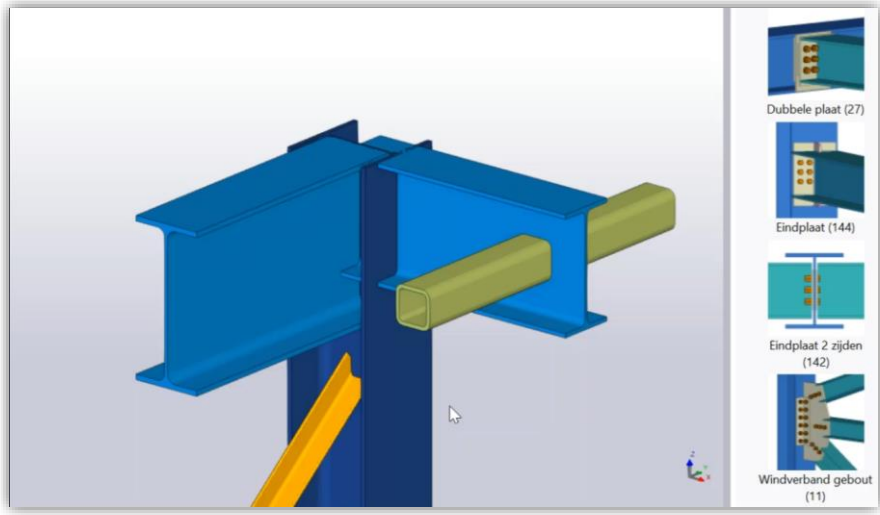
6 april 2017

Timeline, verbindingen in Tekla Structures



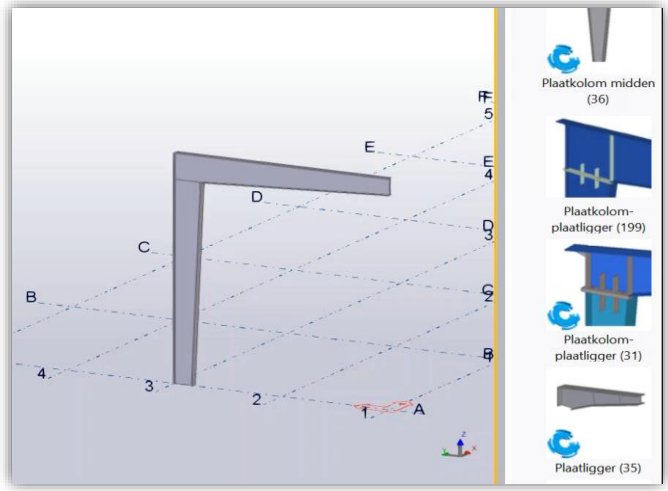
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Systeemmacro’s



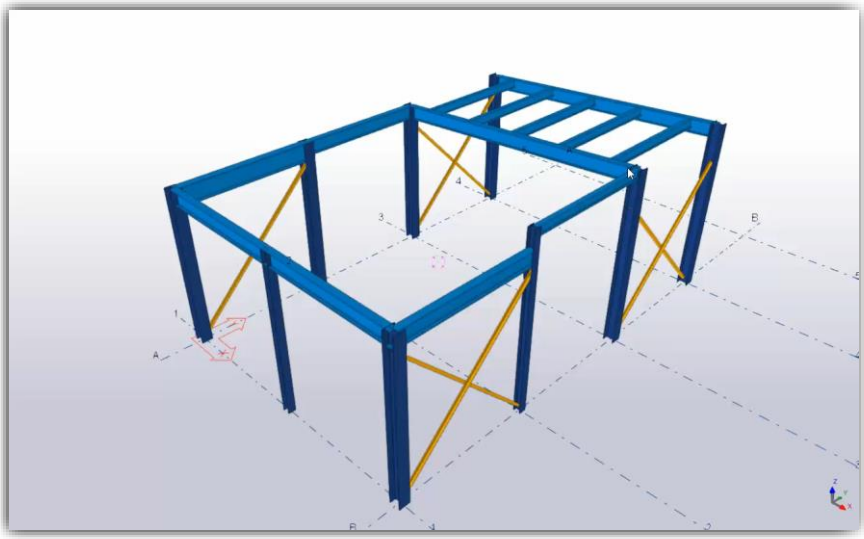
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Gebruikersmacro’s



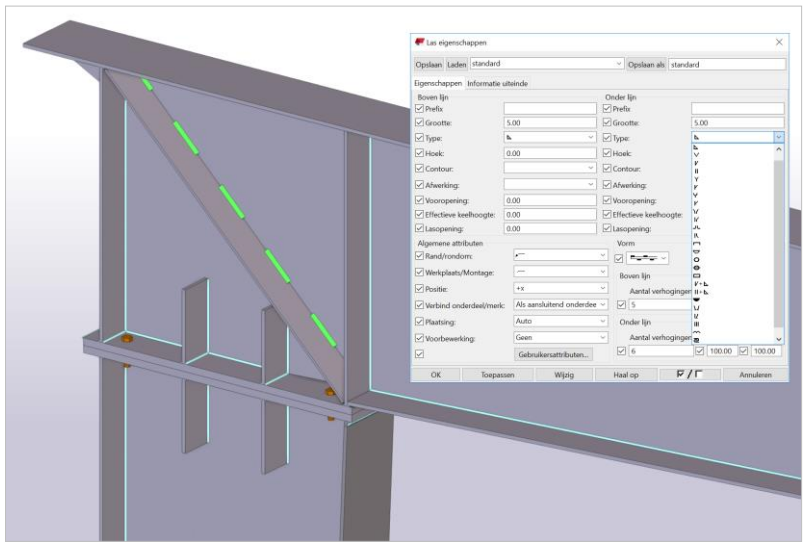
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Automatisch genereren



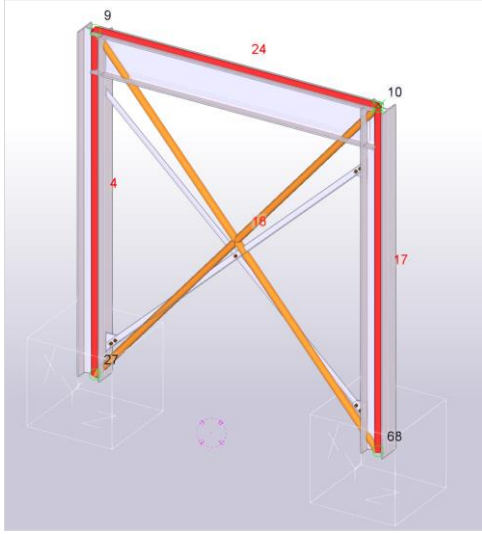
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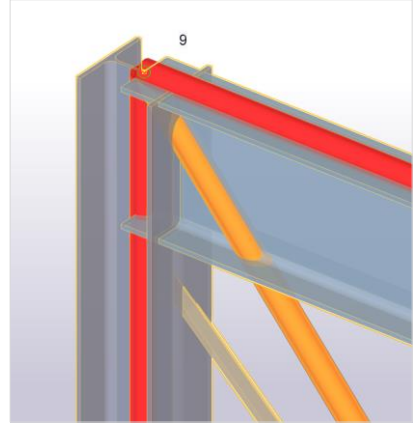
Inclusief lasinformatie



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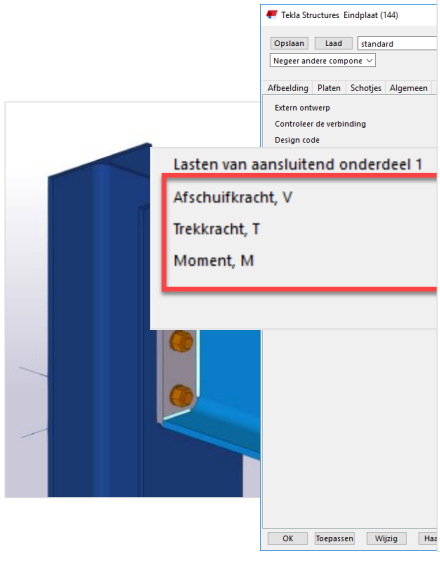
Geïntegreerd rekenen, hoofd draagconstructie

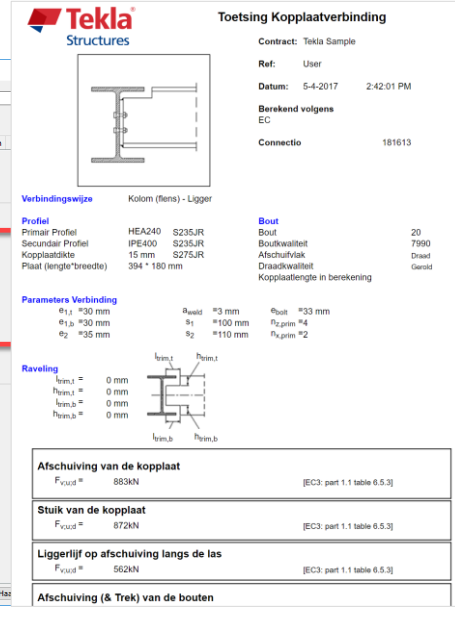




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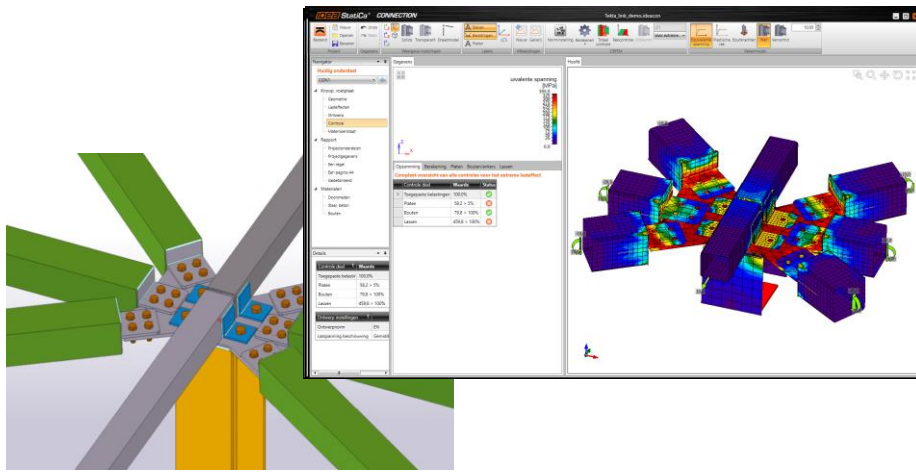
Berekenen → Excel





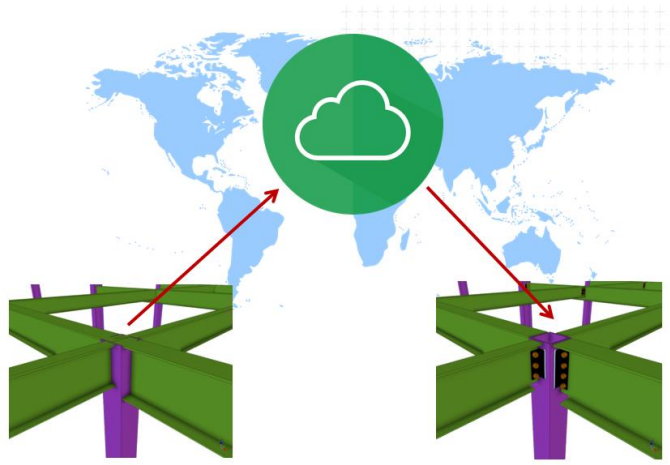
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Geïntegreerd complexe verbindingen toetsen



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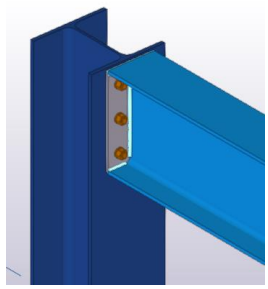
Geïntegreerd verbindingen genereren en berekenen in de cloud

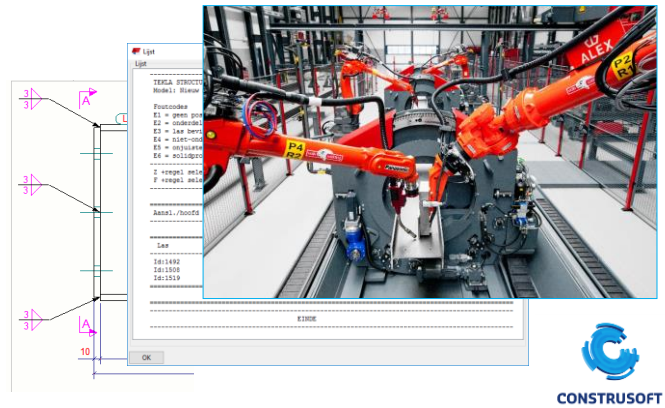


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Genereren, doorrekenen en optimaliseren van verbindingen, inclusief lasinformatie, in de cloud

- Laslabels automatisch op tekening
- Lasvolume inzichtelijk (calculatie, tijd; reductie laskosten en -tijd)
- Bij robotaansturing wens om lasinformatie in 3D model te hebben





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Visie

- Verbindingen individueel optimaliseren op materiaaldetails, bouten, lassen
- Lassen individueel optimaliseren op grootte en type
  - besparing op (las)materiaal en tijd, dus kosten
- Alle lassen volledig gemodelleerd in elke constructie
  - verdere doorontwikkeling in Tekla Structures







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