

DESIGN DERTS BONDELLING NOTES BONDELLING NOTES

TOP-NOTCH ENGINEERING FOR STEEL-SOLID CONNECTIONS

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Who We Are

TIM GLOBAL ENGINEERING is a structural engineering company based in Novi Sad, Serbia. Our portfolio encompasses services that suit the needs of various industries and sectors, ranging from structural steel design and analysis, detailing, to consulting. We serve clients globally, working closely with them to develop customised designs that meet all their needs and preferences.

SERVICE STANDARD

We pride ourselves on using cutting-edge resources to ensure on-time and on-budget delivery. Punctuality and accuracy are the pillars of our performance and continued sources of motivation to always maintain requested schedules and be responsive to challenging environments and demands.

MISSION

Our mission is to provide the highest quality following the latest engineering practices and international standards to ensure long-term partnerships and trustworthiness.

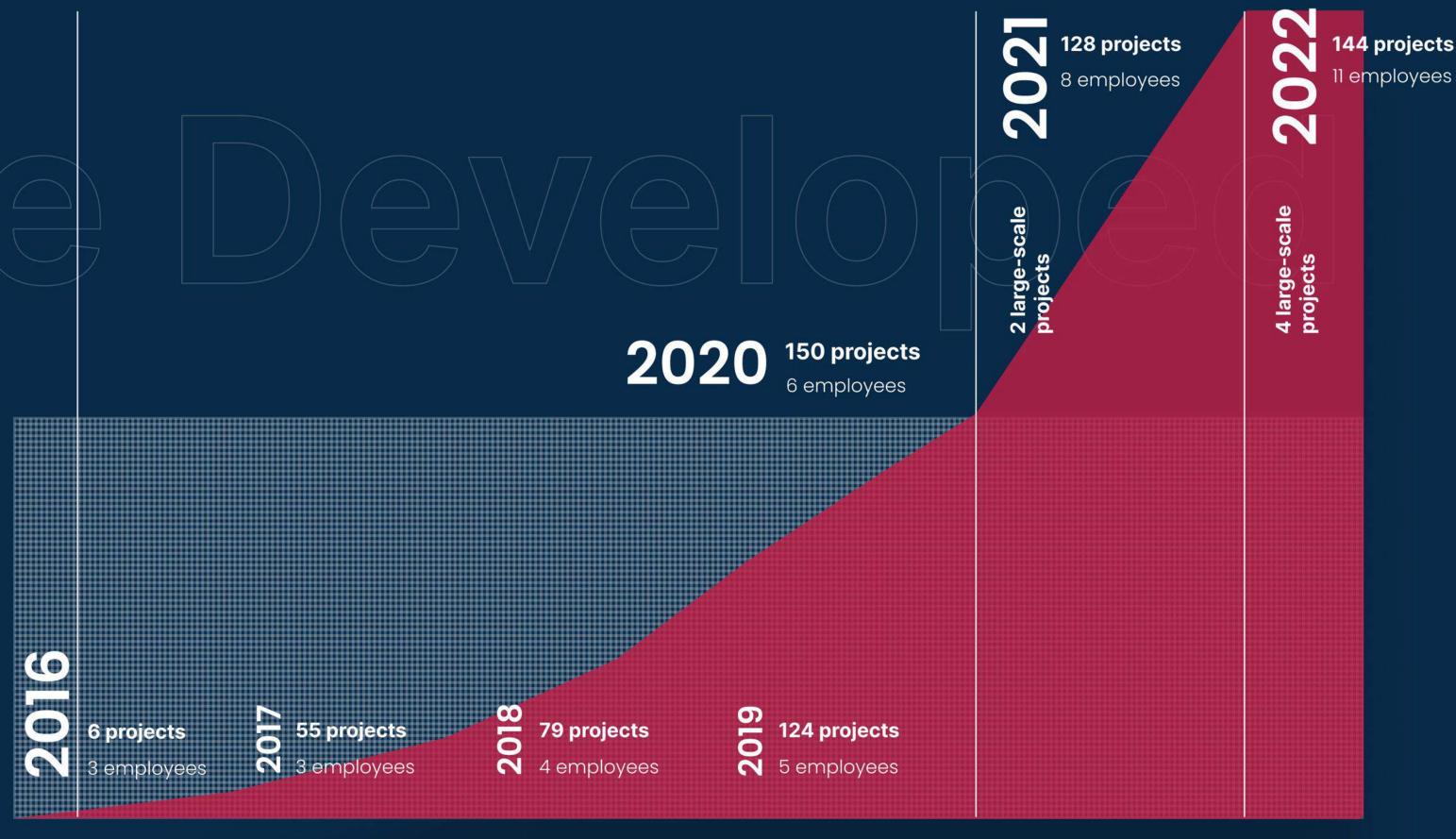
VISION

As a reliable and ambitious company, we strive to expand the range of our services, incorporate new disciplines, and implement innovative solutions through constant learning.

How We Developed

TIM Global Engineering was established in 2016. We started off as a small team that has grown its capacity to tackle even the most demanding structural requirements. We have worked hard and with passion to meet the high expectations of our clients and attract new ones through our close attention to detail.

Leading outsourcing engineering & detailing company in Europe



Collaboration on large-scale projects along with international teams and prominent companies has grown into successful partnerships, and experiences gained on such projects have vastly impacted the development of our company.

Pairing the use of contemporary engineering solutions and materials with the latest software technology has rendered solid results and ensured client satisfaction, helping us to gain excellent reputation and respectable position in the market.



Meet Our Team

We proudly present our dedicated and ambitious team who make sure that all entrusted projects are carried out on time and to the highest standard, delivering optimal solutions always in the best interest of our clients. Our team comprises structural engineers, civil engineers, mechanical engineers, and drafters, led by the management with strong design and detailing experience in the steel industry.



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CONTINUED IMPROVEMENT

We have strong capability for embracing innovation with new software and working practices, as we strive to ensure training opportunities for continued education. We appreciate the commercial imperatives of promoting efficiency and enhancing communication, so we ensure that our clients get fast, reliable, and accurate quotes. We have substantial international presence and experience from projects across continents to testify to that.





At TIM GLOBAL ENGINEERING, we specialize in the design of all types of steel and associated concrete structures. We boast providing services across all project execution phases - from structural design and analysis through connection design up to steel detailing (3D modelling and workshop drawings), but we also meet requests for individual phases only, covering complex as well as small-scale yet equally important projects.

QUALITY ASSURANCE

We take great pride in the fact that we have established robust quality assurance procedures, where each project is reviewed against several check lists by chartered structural engineers prior to issue with the aim of ensuring that our potential for errors is negligible. We boast a reputation for reliability, accuracy, and responsibility.





SMOOTH COMMUNICATION

We track projects from start to finish, providing vital statistics and real-time reporting on all key metrics, ensuring efficiency and smooth sailing in all stages. File sharing via cloud storage ensures good communication and quick and easy information sharing.

Using the cutting edge of our licenced software tools that have become industry standards, such as Dlubal RFEM and Dlubal CRANEWAY, Radimpex Tower, IDEA StatiCa, Advance Steel and Tekla Structures, and through their regular update and upgrade, we can streamline any project and provide services in full compatibility with global engineering practices.









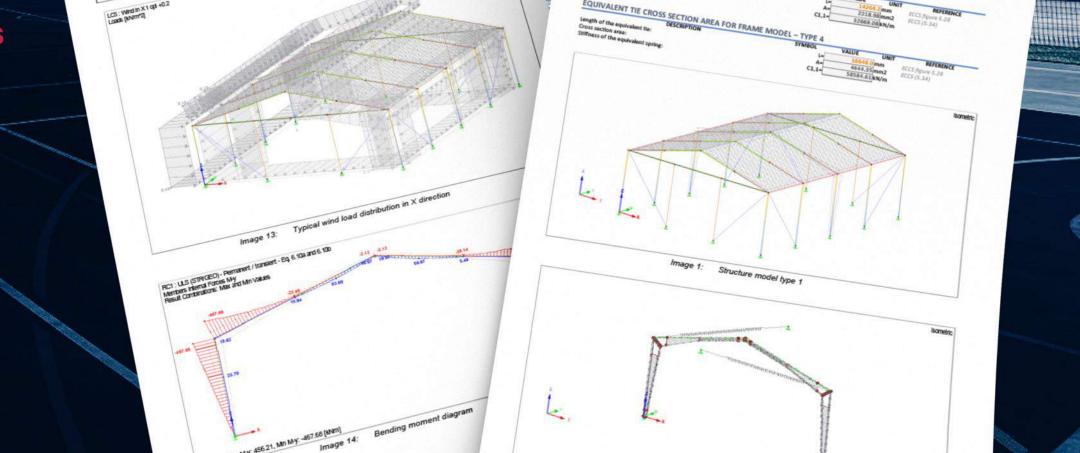


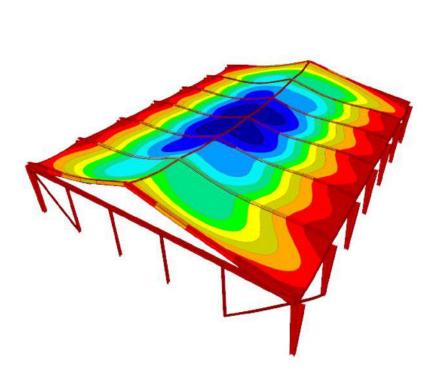
OI STRUCTURAL DESIGN & ANALYSIS

Static analysis

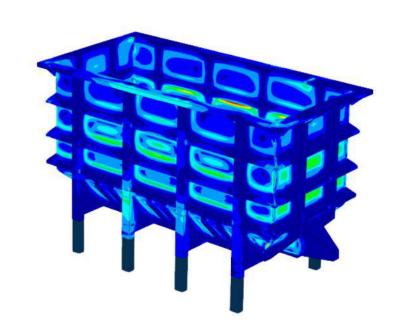
Dynamic analysis

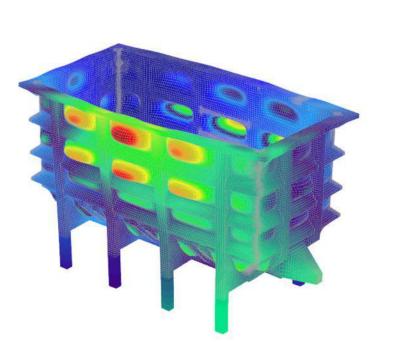
- Stability analysis Fatigue analysis
- We have extensive experience in designing all types of steel structures including large industrial facilities, communication towers, warehouses, refineries, tanks, platforms, pipe racks, crane runway girders, stair towers, to residential and commercial buildings, bridges, canopies, membrane structures and many more. Each type requires a different approach and close attention to different segments of analysis in order to deliver on its design intent.











FINITE ELEMENT ANALYSIS

Making our calculations and models as realistic as possible is our approach to structural design. To that end, we use Finite Element Analysis (FEA) tools regardless of the complexity or type of the structure. The FEA is a highly useful tool, yet it is our engineering skills and our knowledge and experience that play the pivotal role in meeting all design requirements.

NONLINEAR ANALYSIS

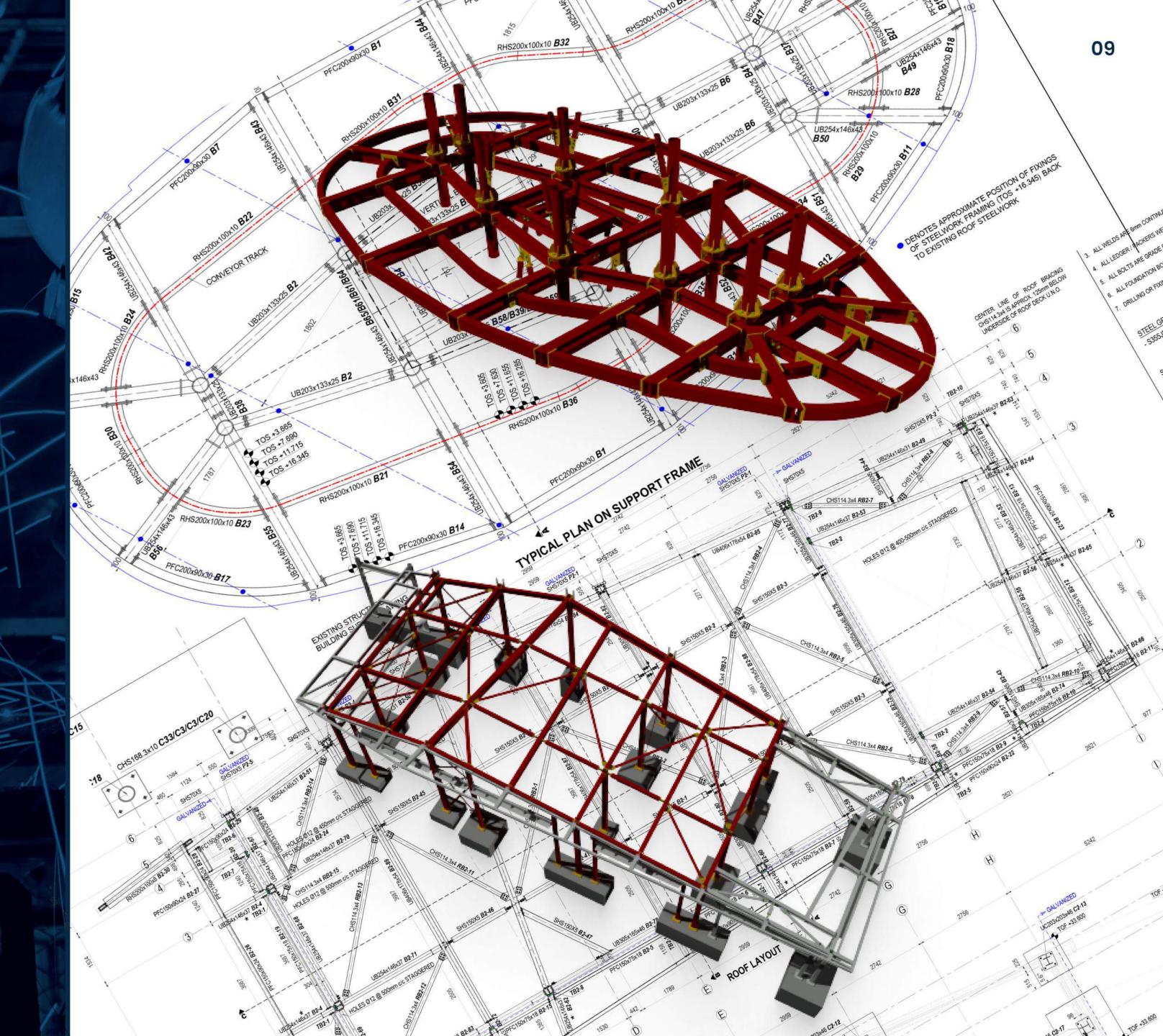
As we strive to produce the most accurate deliverables, we do not hesitate to tap into the area of nonlinear calculations. Although nonlinearities raise the complexity of analysis, their usage contributes to ensuring proper assessment of structural behaviour and allows for delivering fine-tuned, precise, and cost-effective design solutions.

02 STEEL DETAILING

Another segment of our service portfolio is producing 3D models and fabrication shop drawings for structural steel and miscellaneous steel, all in accordance with the client's customized standards. We use two world's leading software for steel detailing – Autodesk Advance Steel and Tekla Structures, providing import-ready models for different software packages.

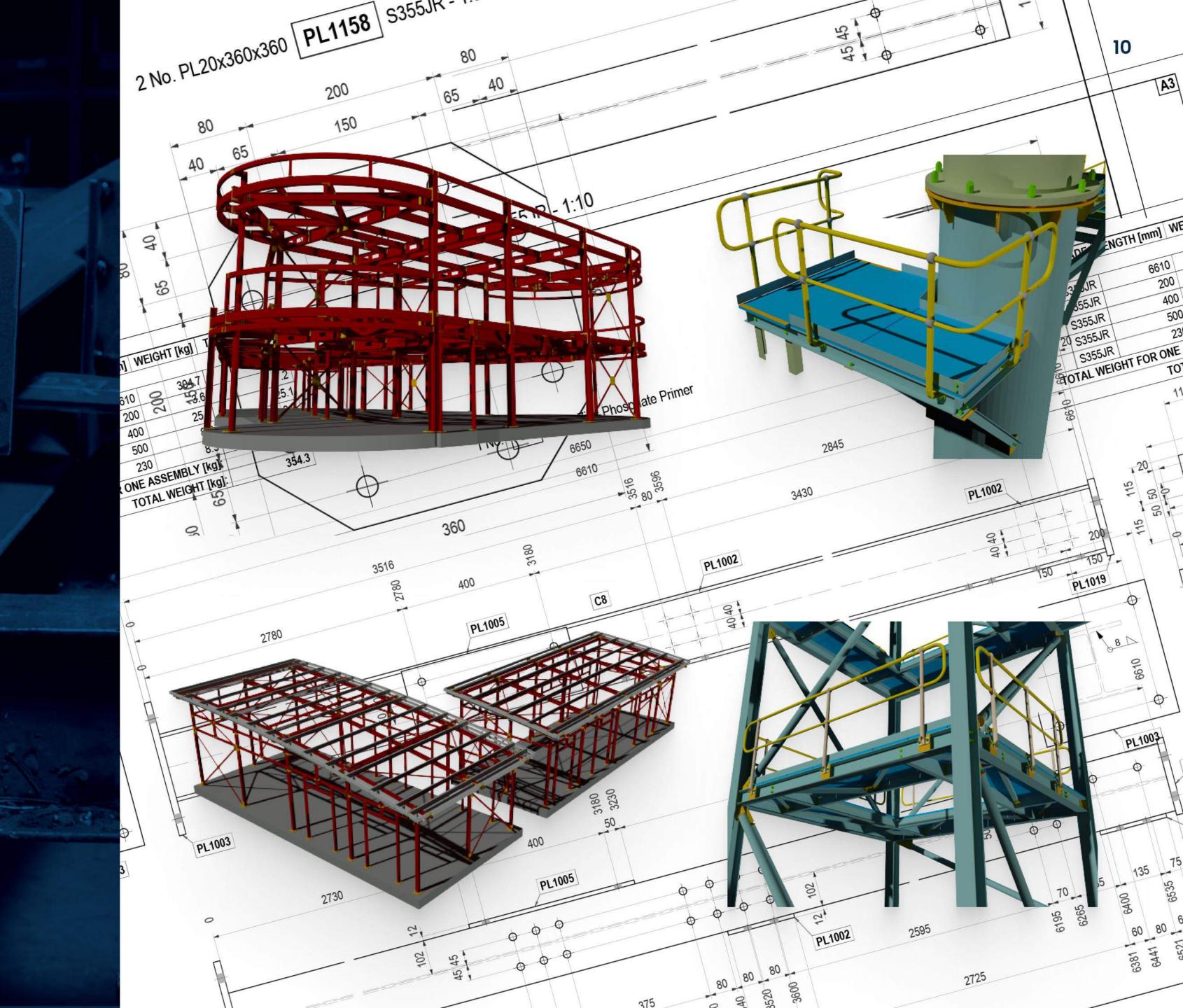
UNIQUE APPROACH

We go beyond typical steel detailing services. Our structural design background enables us to approach each project differently from other companies. We do not simply apply basic software options - we dive into our extensive knowledge to meet specific and unique requirements.



02 STEEL DETAILING

- Liaison with structural engineers and architects
- 3D modelling
- GA drawings for approval
- GA drawings for construction
- 3D marking plans
- BOMs
- NC files and CAM files
- Customized drawing borders
- Single part drawings
- Assembly drawings
- RFIs
- Document registers



O3 CONNECTION DESIGN

FINE-TUNED APPROACH

Using IDEA StatiCa, internal procedures, and our engineering expertise, we simplify and resolve even the most complex connection requirements and make sure that our clients get optimal solutions concerning the thickness of plates, number of bolts and size of welds, aesthetic demands, and always with the installation process in mind to achieve fast and easy installation onsite.

We offer design services for all types of steel-steel connections, either bolted or welded, and steel-concrete connections, including base plates and anchoring. We provide our clients with detailed and clear calculation reports for each connection and for each element of the connection – plates, bolts, welds.

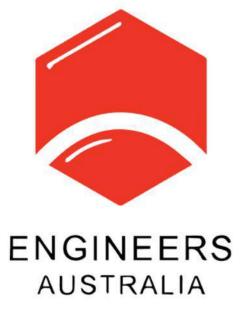


Our vast engineering experience in different areas of the construction industry and cooperation with international clients have grown our capability for applying a range of standards and codes for structural design such as Eurocodes (including national annexes), AS/NZS, etc.

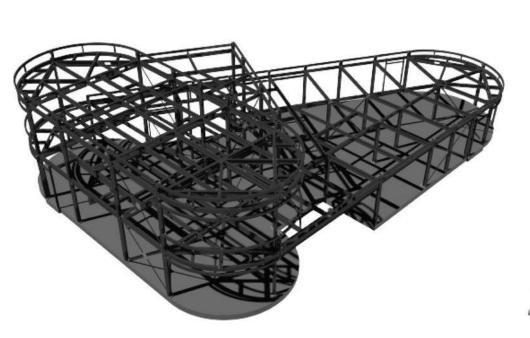


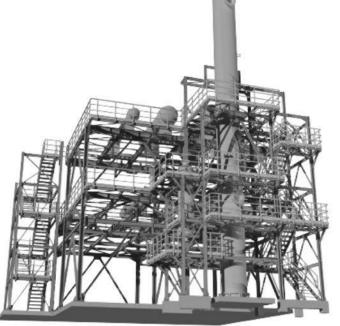
- EN 1990 Eurocode 0: Basis of structural design
- EN 1991 Eurocode 1: Actions on structures
- EN 1992 Eurocode 2: Design of concrete structures
- EN 1993 Eurocode 3: Design of steel structures
- EN 1994 Eurocode 4: Design of composite steel and concrete structures
- EN 1997 Eurocode 7: Geotechnical design
- EN 1998 Eurocode 8: Design of structures for earthquake resistance

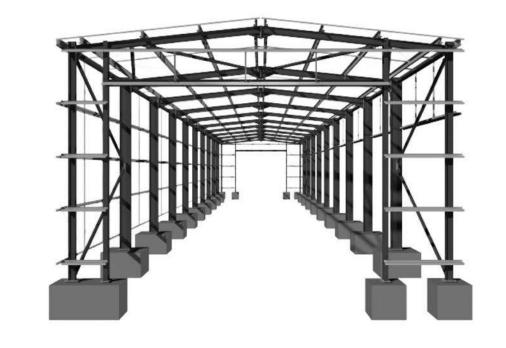
In addition to our membership in the Serbian Chamber of Engineers and chartered designers whom we have on our team, we take enormous pride in the fact that our engineers are members of the Institution of Engineers Australia, which boasts memberships in more than 120 countries, high standards and globally recognised credentials.

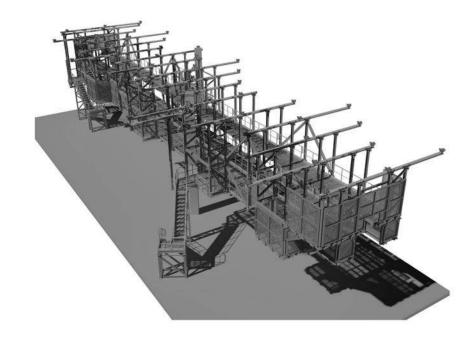


Projects









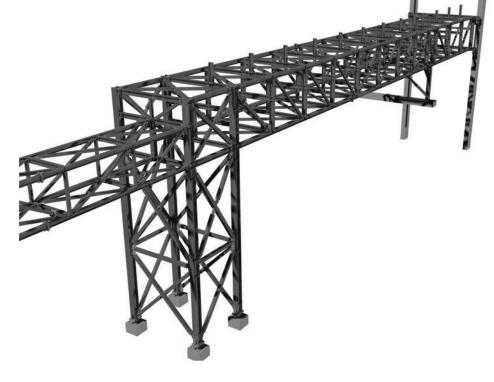
UNIVERSITY HUB BUILDING

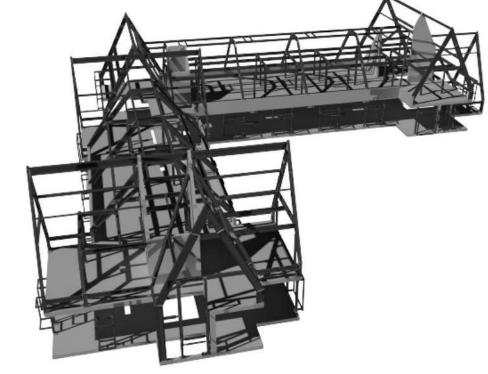
PLATFORM

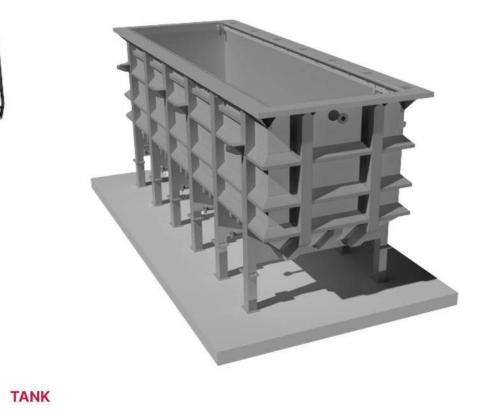
ROOF STRUCTURE

PORTAL FRAME BUILDING

SUSPENDED PLATFORM



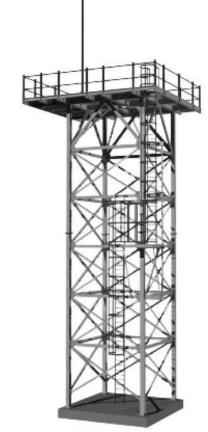


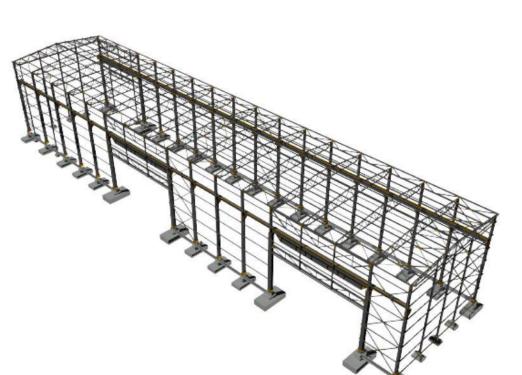


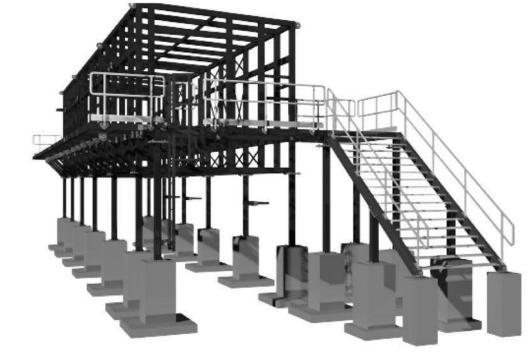


PIPE RACK

TOWER









WAREHOUSE

SKID STRUCTURE

STAIR TOWER

Global Reach

Going the extra mile to ensure high-quality delivery and execution

Canada

Iceland UK Sweden

Ireland Germany

Austria
Serbia Turkey

UAE

Thailand

Singapore

Australia

New Zealand

We have successfully completed a diverse array of projects spanning continents, in countries like Sweden, Germany, Austria, Iceland, the UK, Ireland, Serbia, Turkey, the UAE, Singapore, Australia, New Zealand, Thailand, Fiji, Canada.



We are well-placed to serve clients across the globe, so get in touch with our team

TIM GLOBAL ENGINEERING

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