ProtaStructure® Suite

Structural Engineering Software & Beyond



Prota Software & Products Overview

What Do We Offer?

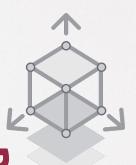
Core Advantages

Project Referances

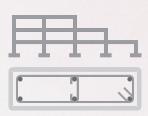
ProtaStructure Suite Live Demo

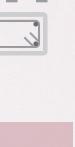


MODELING

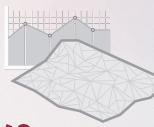


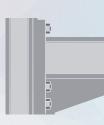
DESIGN





ANALYSIS





FABRICATI







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ProtaStructure® Suite



Multi-Material Modeling, FE Analysis and Design



Automated and Interactive RC Detail Drawings



BIM Collaboration Tools



Steel Connection Design, Detailing and Fabrication

25

International Design Codes

80

New Countries

10

Language Support

24

Partners

250

Design Guides and Manuals

14

Offices







Our History

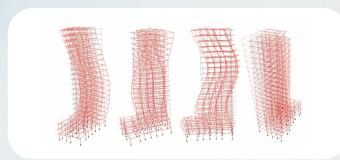


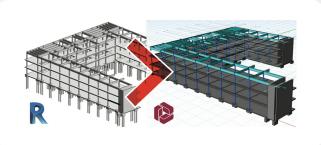
1992

Probina Orion is launched as the world's first concrete building design and detailing system

Probina Orion provides the first building solution for Retrofit and Rehabilitation

2005





2007

Bi-direction physical model integration with Autodesk Revit

Our History

ProtaStructure is introduced 2014





Prota delivers the world largest airport terminal building

Prota Software achieves licensed users in **80** different countries



Modelling & Analysis

Staad, Sap, Midas, S-frame, Robot, Etabs, Space Gass, ...

Design

Many of these do some design – element design

Component design

Tedds, Scale, Prokon, LIM con, ...

Detailing/Drafting

AutoCAD, BrisCAD, GStar CAD, there's so many...

Fabrication

Tekla Structures, Advanced Steel, BOCAD, ...

Structural BIM

Revit, Tekla Structures, BOCAD, Archicad, ...



Modelling & Analysis

A software for streamlined building modelling and analysis



Design

A software for designing your steel connections, concrete beams, core walls, foundations and more



Detailing / Drafting / Component design

A CAD software for dedicated structural drafting and producing all your engineering drawings, with component design for other project elements (like retaining walls)



Fabrication

A Fabrication software for producing all your construction and shop details



Structural BIM

A BIM software for communicating all of this to other project team members, Owners, Architects, M&E specialists etc.for coordination



Multi-Material Modeling, FE Analysis and Design

- Flexible 2D and 3D True Structural BIM Modelling
- Multi-material Modelling with Physical Objects,
- Analysis and Detailed Design to International Seismic and Design Codes
- Seismic Assessment, Retrofitting and Seismic Isolators
- Full design reporting and quantity takeoff
- Links with ProtaDetails for Automated Drawings
- SAF Integration and IFC Import/Export





Automated and Interactive RC Detail Drawings

- Structural details rapidly with intelligent objects/templates
- Full / Partial quantity take off
- Links with ProtaStructure for automated drawings
- Manage and update details when model and design changes occur
- Component design library with detailing
- Sheet management using multiple files and title blocks
- Powerful CAD Engine





Steel Connection Design, Detailing and Fabrication

- Perform automated steel connection design
- Take models designed in **Prota**Structure directly into **Prota**Steel
- Visualize and coordinate models in 3D, add ancillary steelwork, and fully quantify your projects
- Reduce design and detailing time by automatically producing high quality engineering drawings
- Coordinate your projects with other leading BIM platforms including Autodesk Revit and TeklaStructures





BIM Collaboration Tools

- Communicate and coordinate models with other project stakeholders
- Ful interoperability with BIM platforms such as Autodesk Revit
- Intelligent model auditing tools to track and review changes
- Quickly and efficiently coordinate your projects before construction starts and save hours of wasted time
- IFC and SAF Import and Export
- 2D and 3D DXF Import and Export
- Export Analysis Data



ProtaSteel®

- Steel Connections and Detail Drawings for Fabrication
- DXF and CNC Data

ProtaStructure®

Focused Solution for modeling, FE Analysis and Code-based Design

ProtaDetails®

- Automated & Interactive RC Detail Drawings
- DWG and DXF

Design Reports, Data and Images

- Office, 2D&3D PDF, Print

ProtaBIM®

Bi-directional IFC and SAF Links
2D and 3D DXF

Analysis Data Communication

- OpenSees & Other Analysis
 Software Results to Excel CSV
- Bi-directional Bespoke BIM Link with Revit

Product Excellence

ProtaStructure is used by thousands of leading engineering consultants around the world to design and deliver their projects quickly and efficiently.

Trusted by thousands of great businesses around the world

















Biggest Passenger Terminal Building of the World



ProtaStructure played a crucial role in delivering the structural design of the world's biggest airport terminal building.

"We used ProtaStructure throughout the entire life cycle of the project where we were able to manage project variations quickly, economically, and accurately.

Umit Kacmaz

General Manager - Prota Engineering



Largest University Campus in İstanbul

Structural design was performed by **Prota**Structure



Productivity: Don't Just Take Our Word For It

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With **Prota**Structure our productivity has **increased 300%** over traditional approaches – we have taken on more work and are far **more profitable and competitive with Prota**Structure

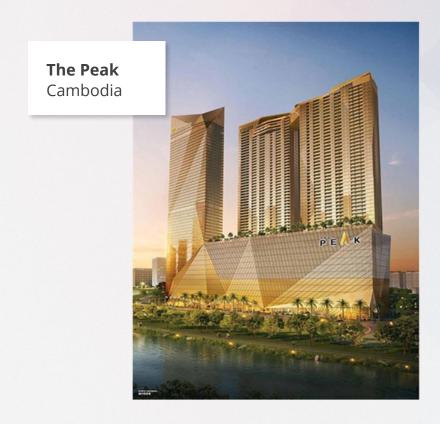
Kwang Eng Yau

Executive Director – Kemasepakat (Malaysia)



Project Delivery Across Asia

Mixed shopping and commercial development design by TWT Design Consultants

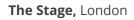




Project Delivery Across Asia, Europe

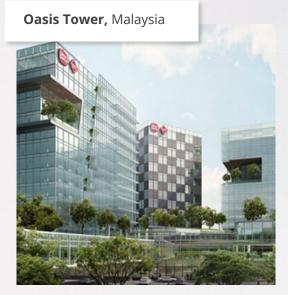
Maverick Consulting Engineers

Wide range of commercial and residential projects using **Prota**Structure

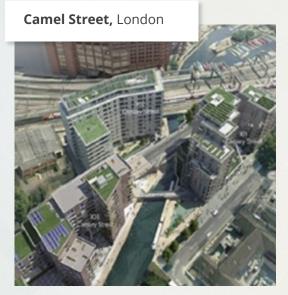












Project Delivery Across Asia, Europe

Garden Mall

Kuala Lumpur, Malaysia

Delivered by EDP Consulting Group. Garden mall is part of Mid Valley City, Kuala Lumpur's largest shopping mall and entertainment complex









IOI Resort World Putrajaya, Malaysia

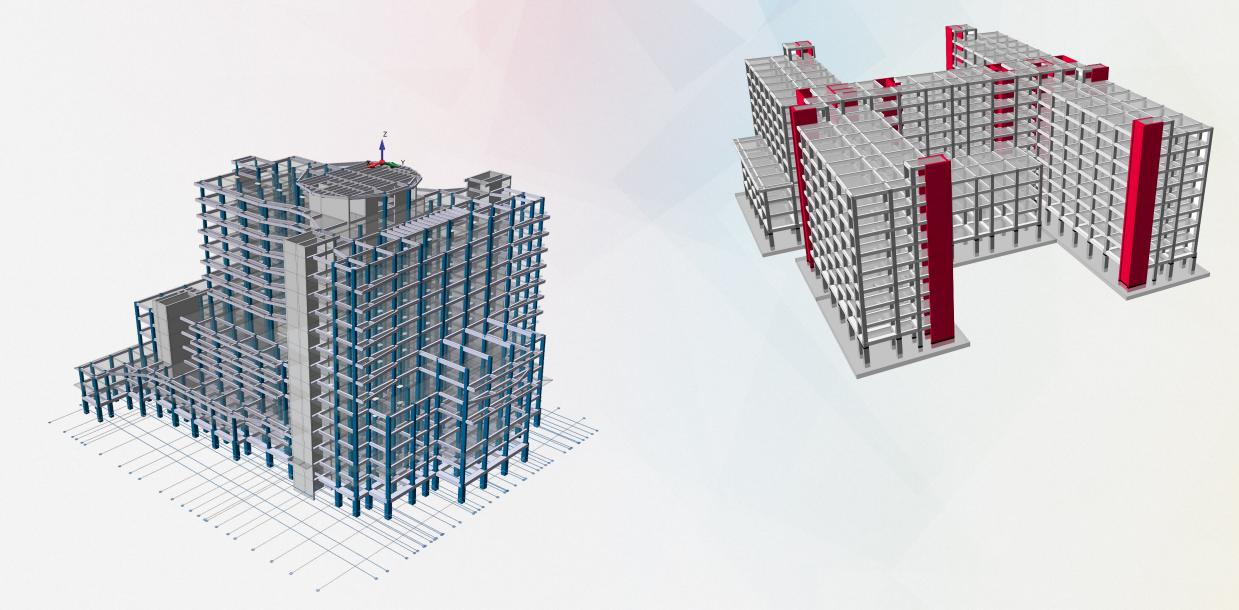
Also delivered by EDP Consulting Group. Currently Malaysia's largest mixed development Project under constrution

Project Delivery Across Asia, Europe





Seismically Isolated Hospitals Across Europe, Middle East



International Airports





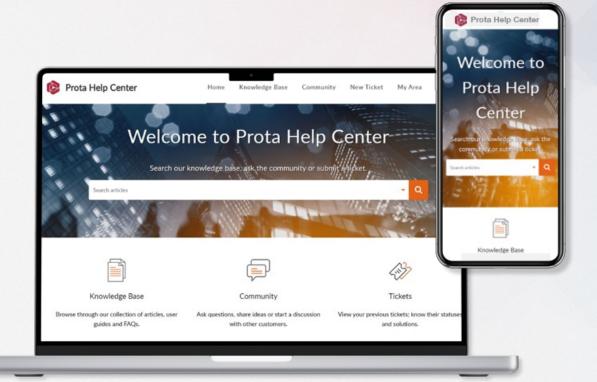


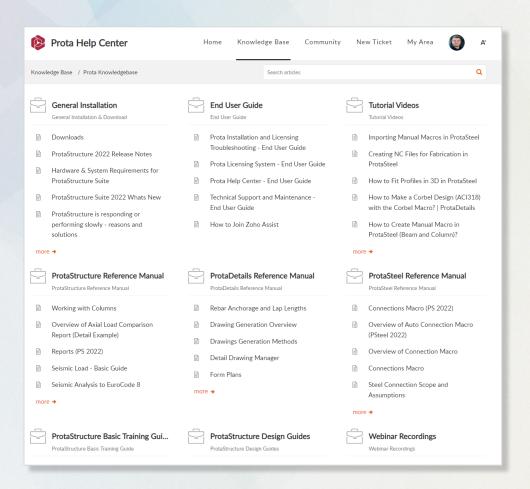


Project Delivery Across the Globe **RC & Steel Industrial Facility** Stadium **Overpass Project**

Prota Help Center

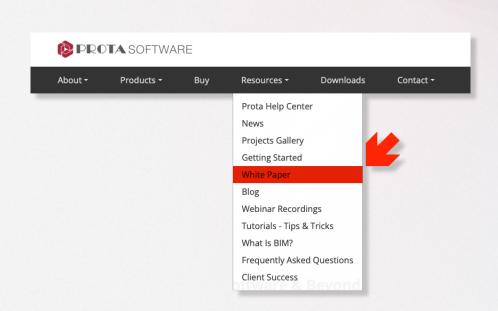
- Knowledge Platform & Learning Hub

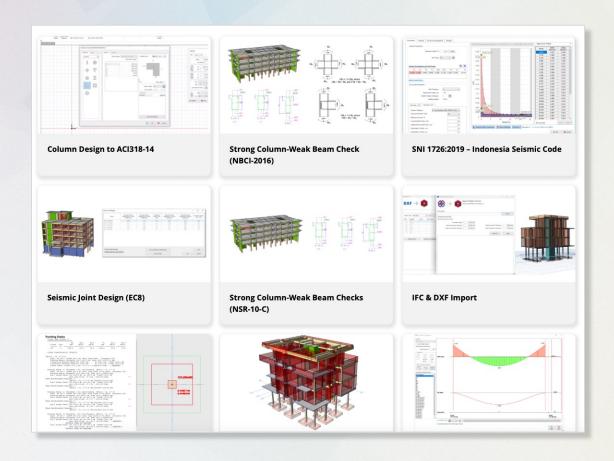




Prota Website

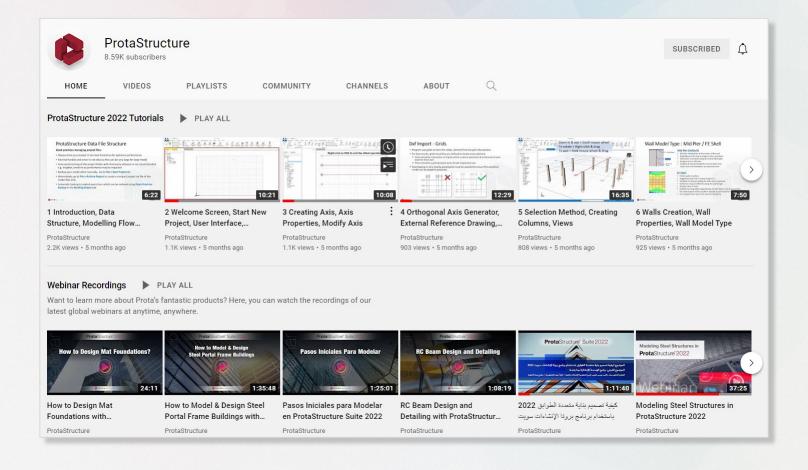
- Whitepapers & Blogs, www.protasoftware.com/whitepaper





Prota Software Social Media

- Youtube Channel



Connect and Contact Us

Social Media

Social Media @ Prota Software

Linked In / YouTube / Facebook / Instagram / X (Twitter)

Sales

globalsales@protasoftware.com

Website

www.protasoftware.com