





Engineering Software

Total Solution Service

Global Network

MIDAS software is distributed over 110 countries through 6 overseas corporate offices and 35 regional business partners around the world

No.1 Market s

6 Regional offices

35 Distributors

110

Countries

MDAS (Seoul)
China (Belling)
USA (NewYork)
India (Mumbal)
Japan (Tokyo)
UK (London)
Pussia (Moscow)
Shenyang
Shanghal
Chenodu

Singapore Gharu Indonesia Soatti Mexic Italy Pueric Sweden Rico Spain Venez Lithuania Cotom Poland Ecuac Silovenia Botvia Turkey Brazil

30,000 Licenses 10,000 Clients





Midas Civil is a structural analysis program that integrates the analysis and design process of bridges into a single program with moving load analysis, PSC bridge design, Cable-Stayed bridge design and Suspension bridge design.

The ability to manage complex bridges and the user-friendly interface are the strong points of midas Civil.

Especially, the construction stage analysis feature is "the" favorite feature of our customers.

Russky Island Bridge

Vladivostok, Russia



Owner

Russian Federal Road Agency-Directorate for Construction of Road Facilities in Vladivostok

General Contractor

SK Most / Mostovik Mostovik

Engineering Consultant Construction Period

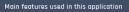
2009 - 2012 Cable-stayed Bridge

Type of Project

Size of Structure

1.1km Main Span, 3.1km Total Length







midas Civil

- · Unknown load factor and lack of fit force for cable optimization
- · Construction stage analysis with composite action
- Moving load analysis

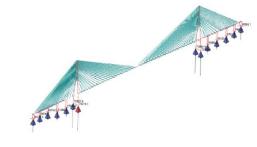
Description on this project

The bridge to the Russky Island is one of the world's largest cable-stayed bridges with the 1,104m long of the central span and it establishes a new record of bridge building practice in the world. The bridge also has the highest bridge towers and the longest stayed cables.









Mos	tovik	

Address Mira prospekt 5 Omsk, 644080, Russia

Introduction

NPO Mostovik offers construction contract services which includes construction of roads and bridges. Also, it was founded in 1982 and is based in Omsk, Russia.

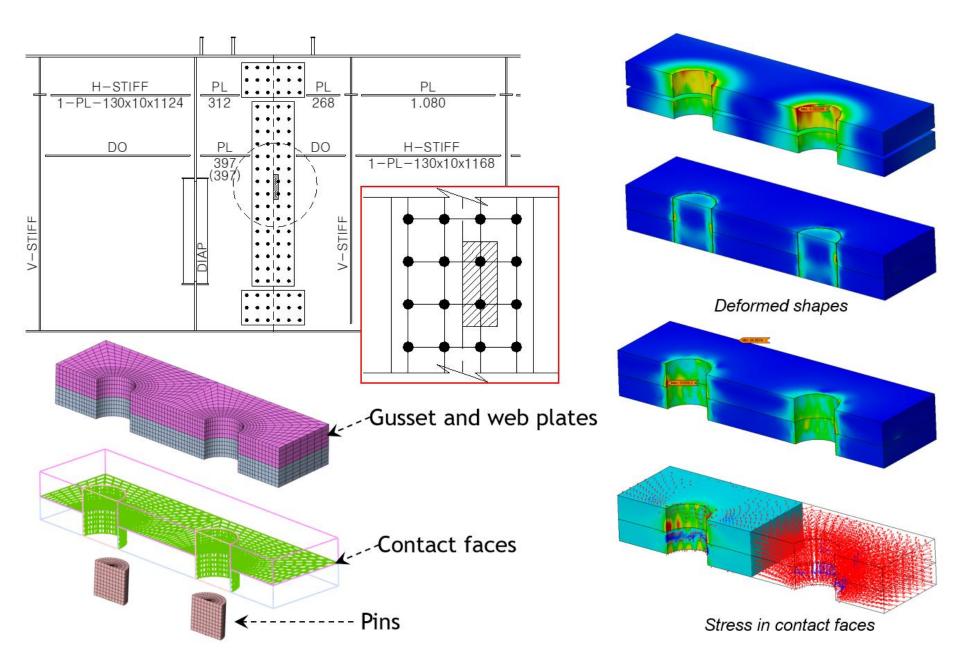
As of 2016, it is in reorganization.

Website www.mostovik.ru



The next software named midas FEA NX might be less familiar to you.

midas FEA NX provides an optium solution to investigate linear static failure, material / geometry nonlinearity, heat of hydration, contact, crack propagation, fatigue and other detailed analysis.





midas GEN is an integrated, generalpurpose structural analysis system with an Intuitive User interface and computes graphics for building and other constructions.

The User Interface provides excellent accessibility and efficiency on complex structures with modeling, analysis and design,

It is loaded with high-performance Multi-Frontal solver and analysis algorithm, offering the best solution in the field of analysis of building structures in the domestic as well as international construction sector.

Burj khalifa

Dubai, UAE



Owner **General Contractor** Architect **Engineering Consultant Construction Period** Type of Project

Size of Structure

Emaar Properties Samsung C&T Skidmore, Owings & Merrill MIDAS IT / Skidmore, Owings & Merrill / Arcadis 2004 - 2010 Mixed-use Building

829m Height (164-story)



Main features used in this application



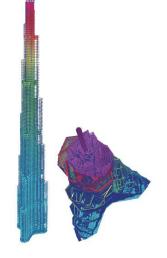
midas **Gen**

- Construction stage analysis with creep and shrinkage
- · Linear static analysis with plate and wall elements

Description on this project

The Burj Khalifa is a mega-tall skyscraper in Dubai, United Arab Emirates. With a total height of 829.8m, the primary structure is reinforced concrete. It is designed to be the centerpiece of largescale, mixed-use development. The design is derived from the Islamic architecture of the region, such as in the Great Mosque of Samarra. The Y-shaped tripartite floor geometry is designed to optimize residential and hotel space. A buttressed central core and wings are used to support the height of the building. Although this design was derived from Tower Palace III, the Burj Khalifa's central core houses all vertical transportation with the exception of egress stairs within each of the wings. The structure also features a cladding system which is designed to withstand Dubai's hot summer temperatures.





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Address MIDAS IT Tower, 17, Pangyo-ro 228 bean-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13487, Korea

Introduction

MIDAS IT specializes in engineering consultancy, web business and CAE software development. MIDAS IT provides world class consultancy services in the fields of

civil, structural, geotechnical and mechanical engineering.

www.midasuser.com info@midasit.com





midas GTS NX is a comprehensive finite element analysis software package that is equipped to handle the entire range of geotechnical design applications including deep foundations, excavations, complex tunnel systems, seepage analysis, consolidation analysis, embankment design, dynamic and slope stability analysis.

GTS NX also has an advanced user friendly modeling platform that enables unmatched levels of precision and efficiency.

King's Cross Station

London, UK



 Owner
 Network Rail

 Architect
 John McAslan + Portners

 Engineering Consultant
 Arup / Morgan Sindall

 Construction Period
 2008 - 2013

 Type of Project
 Railroad Station



Main features used in this application



GTS NX

- . The section of the existing tunnel where the shaft intersects is strengthened with block work
- The cylindrical section of the shaft is built with segmental lining
- . The tapered section of the shaft is built in 1m deep stages and lined with sprayed concrete

Description on this project

The redevelopment of King's Cross station in the city of London is turning a historic rail terminus into a dynamic transport hub. Arup's work as a lead consultant on King's Cross station embraced transport planning, multi-disciplinary engineering services, security, IT, lighting design, acoustics, visualization, and pedestrian modeling.





Arup				
Address	13 Fitzroy Street, London W1T 48Q, UK			
Introduction	Arup is a multinational professional services firm			

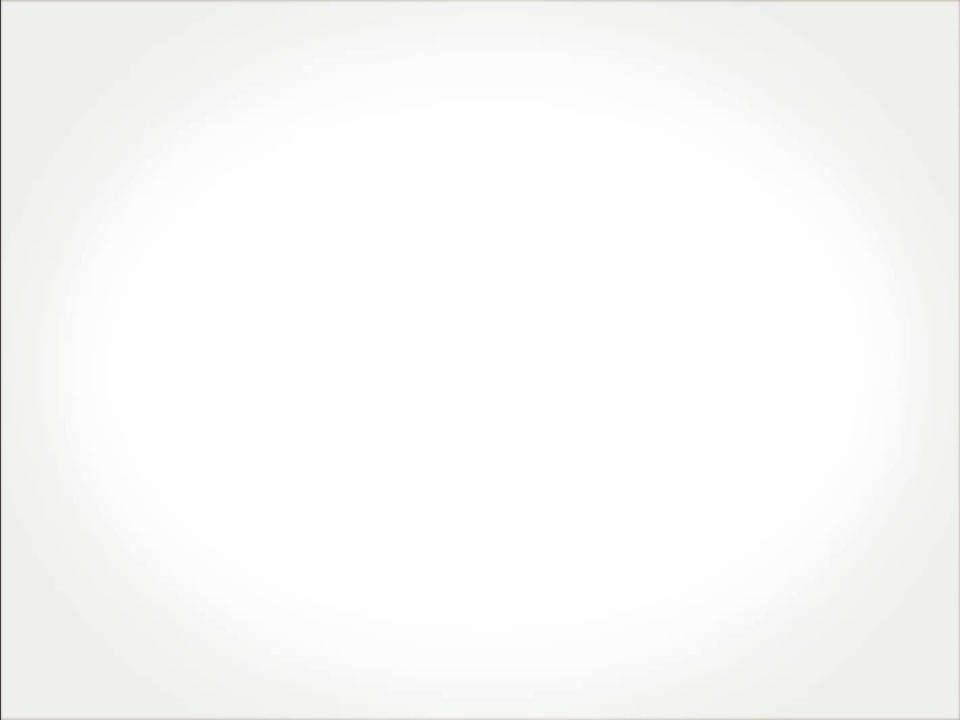
Arup is a multinational professional services firm headquartered in London which provides engineering, design, planning, project management and consulting services for all aspects of the built environment. The firm has over 14,000 staffs based in 92 offices across 42 countries, and has participated in projects in over 160 countries.

Website www.arup.com Email london@arup.com





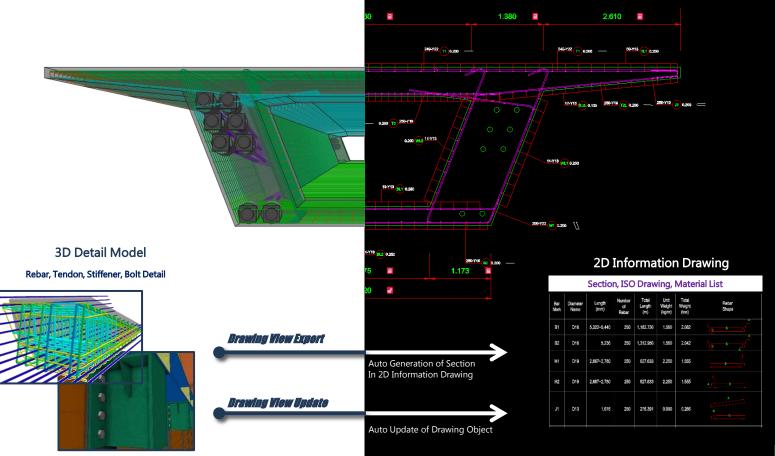






midas CIM

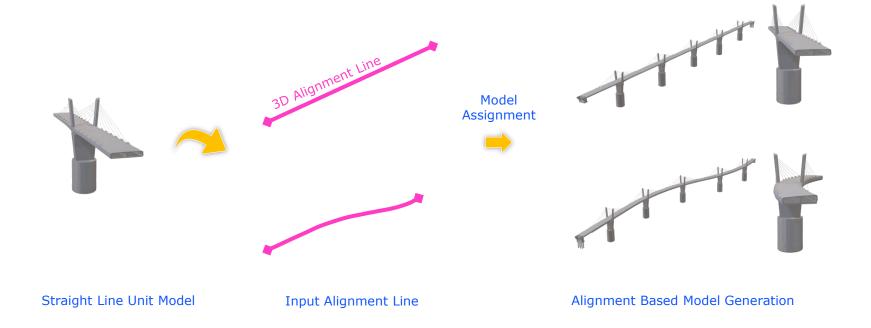








Model Generation Process







Library Catalog



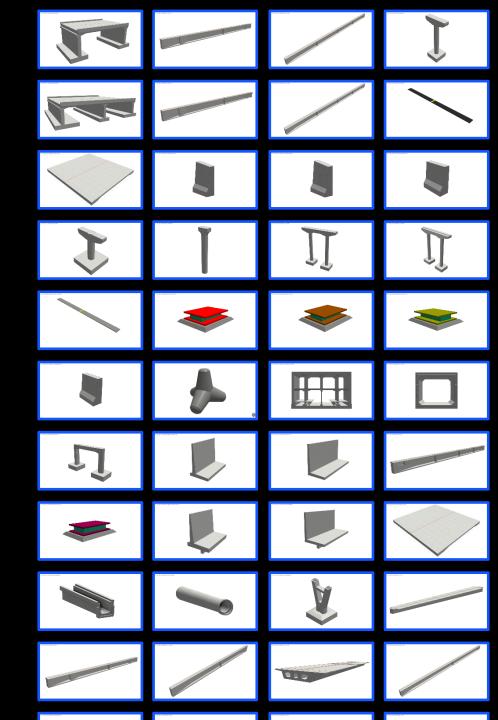




Assembley Unit

Curve Library

Point Librar





Smart Template

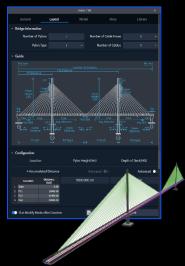
PSC Beam Bridge



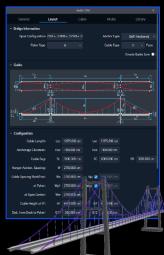
PSC Box Bridge



Cable Stayed Bridge

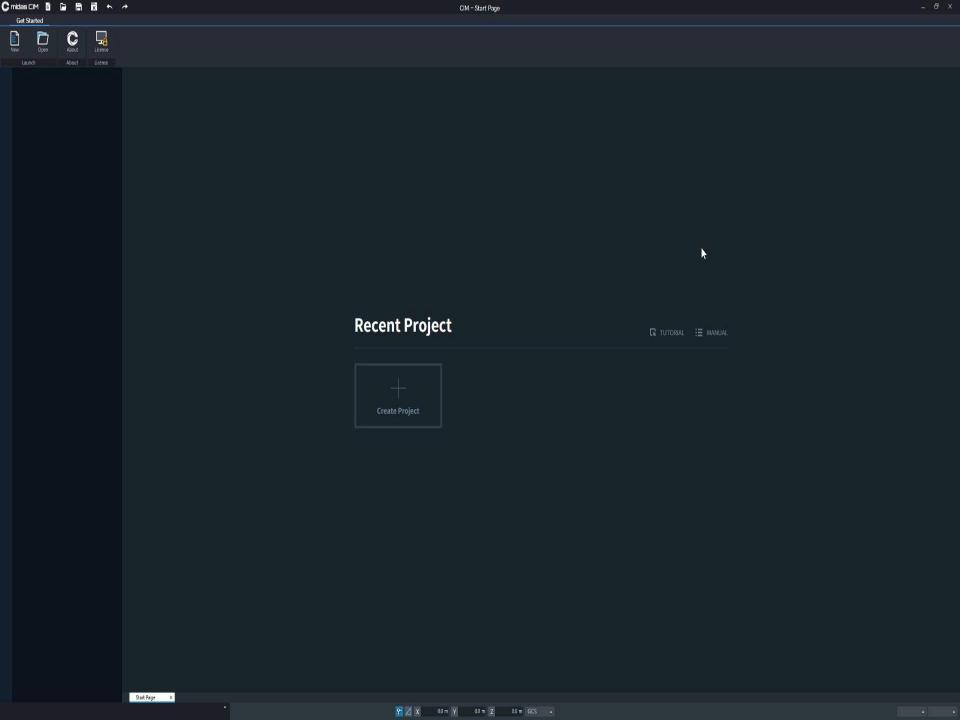


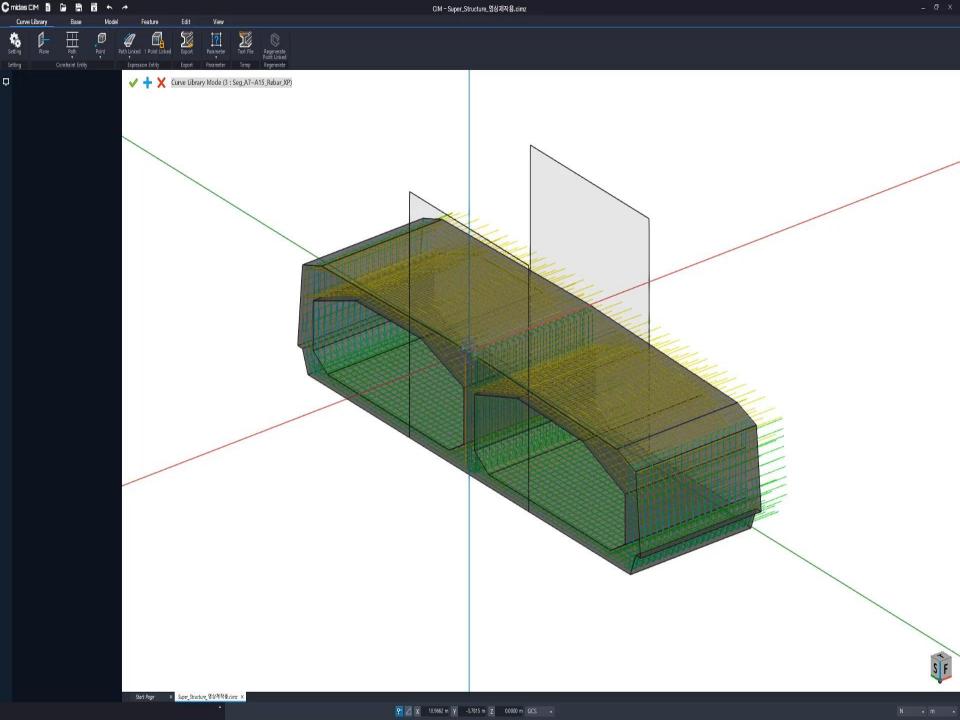
Suspension Bridge



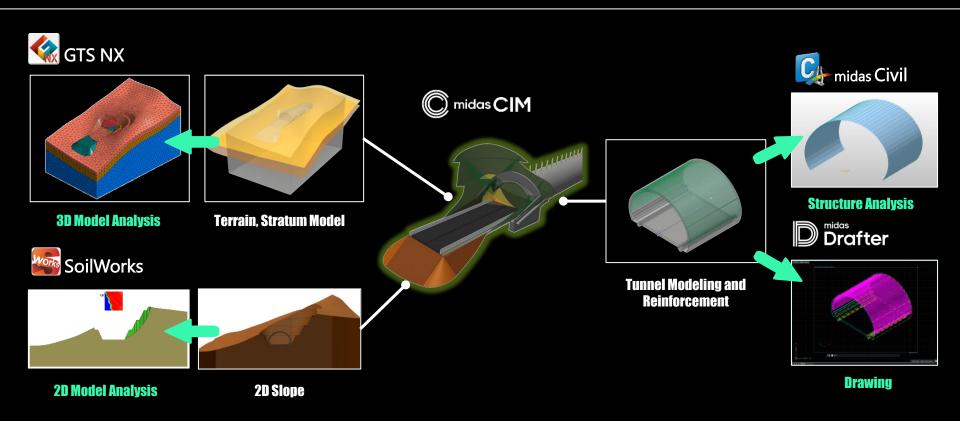
Tunnel





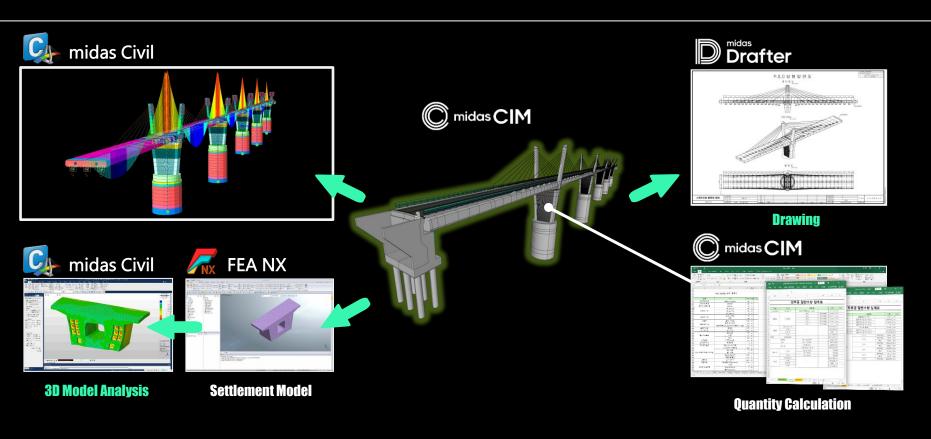


Geotechnical Design with CIM





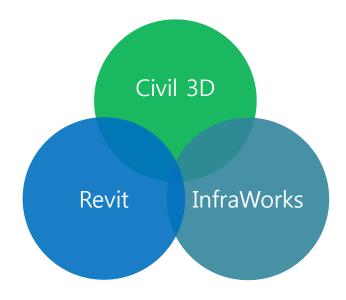
Bridge Design Process with CIM



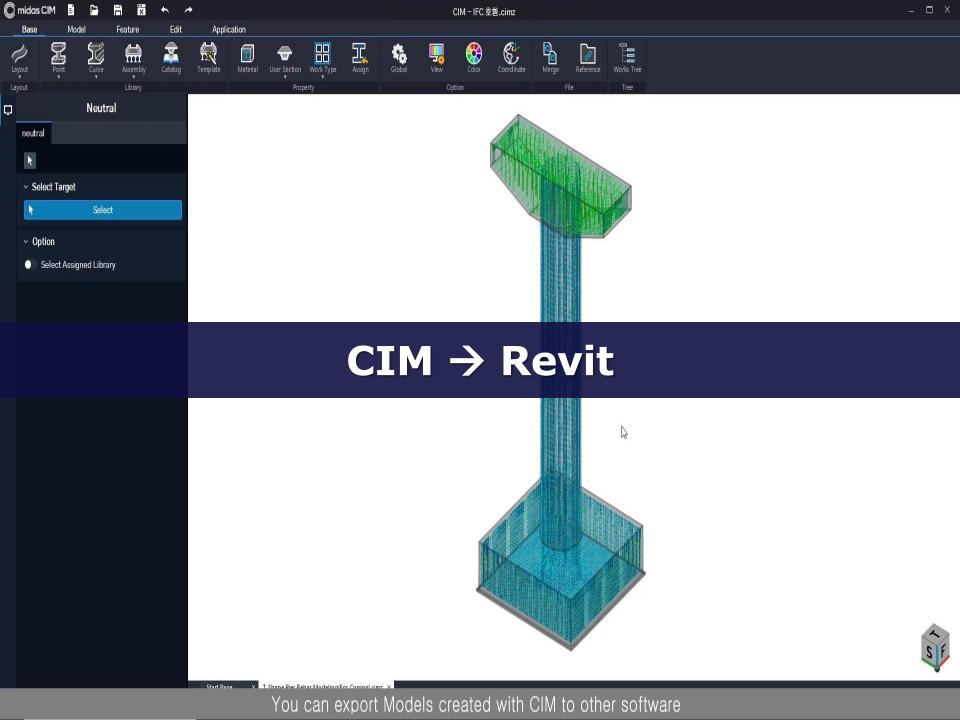


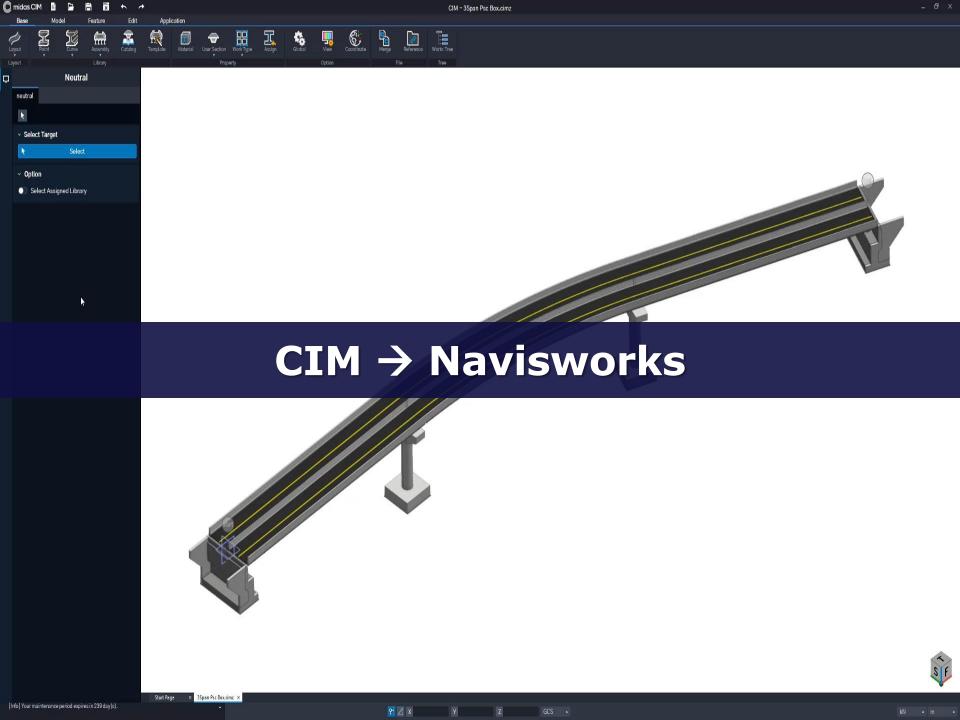






















THANKYOU

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