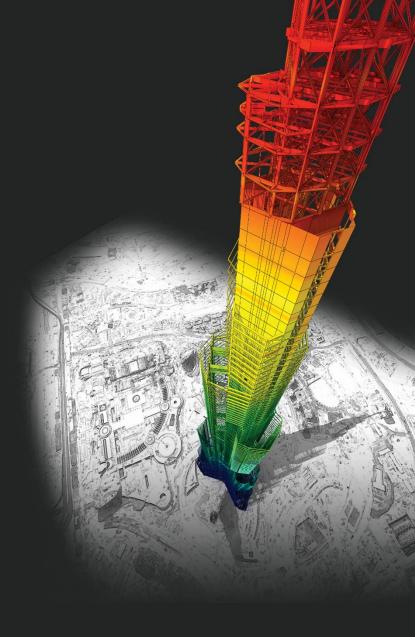
Release Note

Release Date: October. 2022

Product Ver.: midas Gen 2023 (v1.1) and Design+2023(v1.1)



DESIGN OF General Structures

Enhancements

• midas Gen

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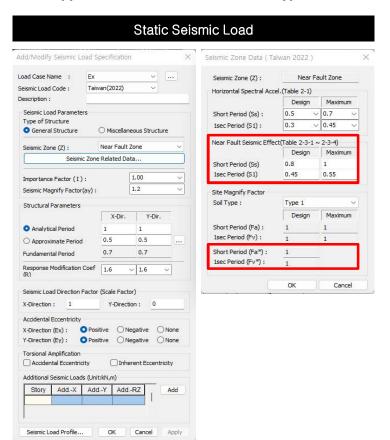
midas Gen

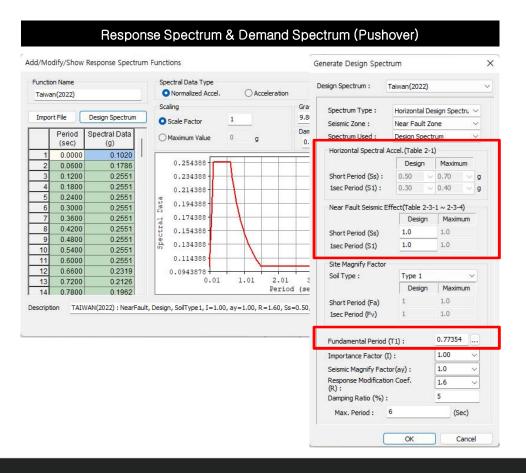


1. New Seismic Code for Taiwan: Static & Response Spectrum

Added Seismic Load for Taiwan Engineers

- Static Seismic Load (Taiwan 2022): Generate Seismic Zone data considering Near fault seismic effect
- Support for Miscellaneous Structure type





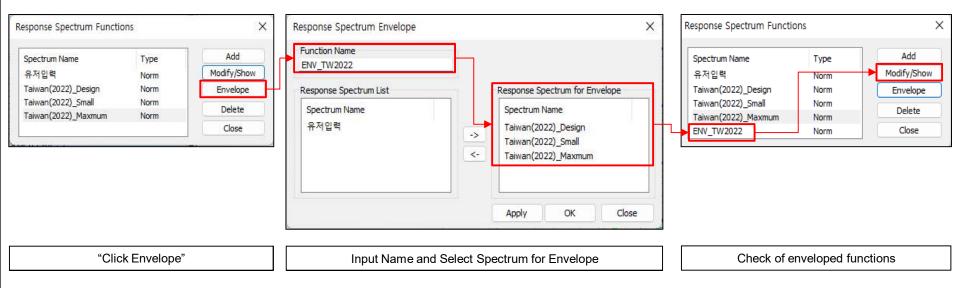




2. Response Spectrum Envelope functions for Taiwan Seismic Load

Envelopment of Response Spectrum

 To apply the largest ground acceleration among Design Spectrum, Small-Medium Spectrum, and Maximum Spectrum using envelope functions.

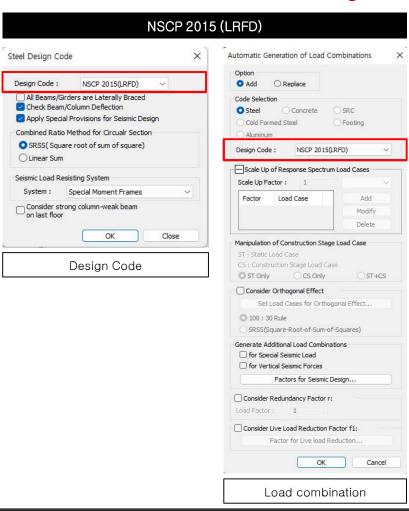


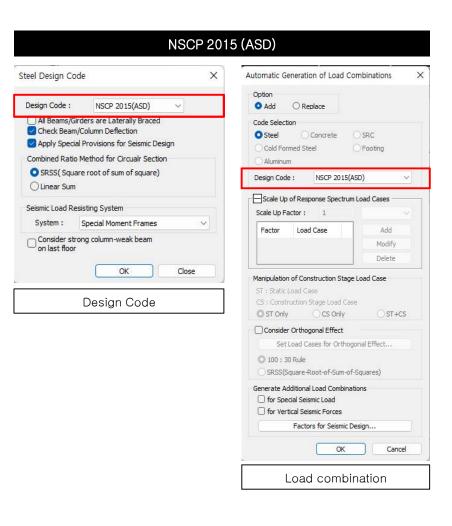




3. Steel Design Code as per NSCP 2015 (Philippine)

Added LRFD & ASD Method for Steel Design







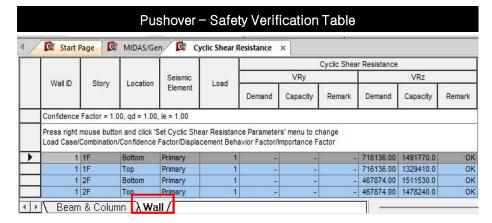


4. Safety Verification & Cyclic Shear Resistance check for wall member as per EC8-3(2005), NTC 2018

Safety Verification and Cyclic Shear Resistance tables are provided for seismic safety evaluation of wall members (Strong Axis).

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	- 1	2F	Bottom	Primary	1	0.0000	0.0071	ОК	2		-	12	-		467874.00	1216830.0	ОК
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4 >	∫\ Safety	/ Verifica	tion λ W	all /] :-							

	C Start	Page 🔯	MIDAS/Ge	n 📮 Cy	clic Shear I	Resistance	×						
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	Wallio	July				Demand	Capacity	Remark	Demand	Capacity	Remark		
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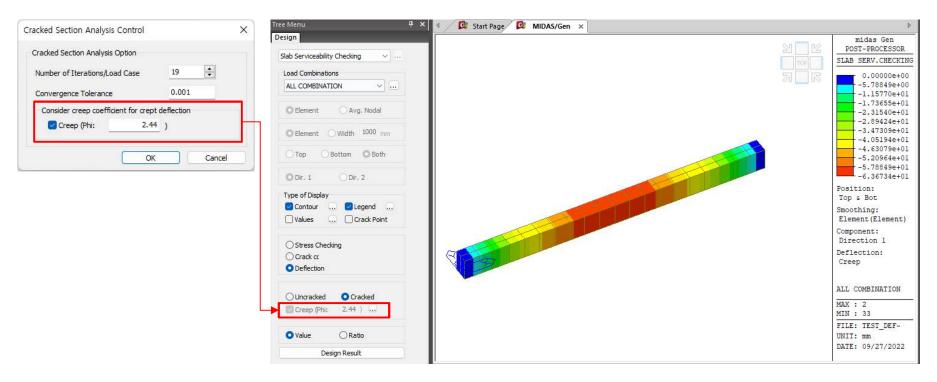






5. Improvement for Long-term Deflection of Slabs Considering Creep Coefficient (EC2, 2004)

User can input the creep coefficient in the dialog box for slab design serviceability check.



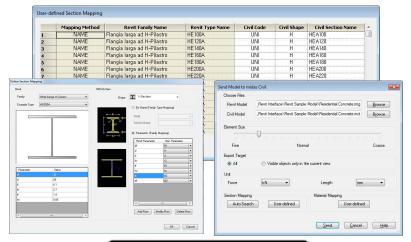




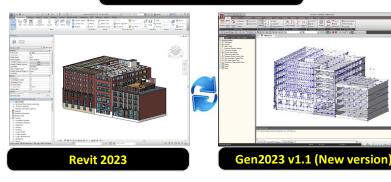
6. Revit 2023 Interface

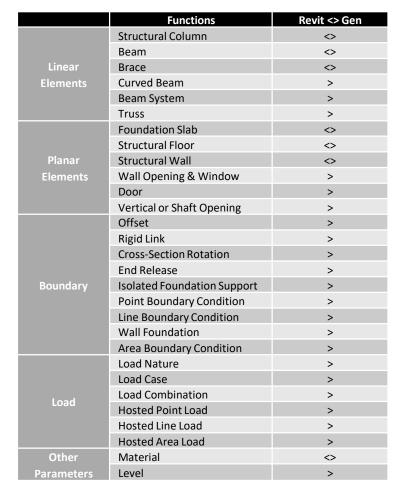
Gen-Revit Link

- File > Import > midas Gen MGT File
- File > Export > midas Gen MGT File



Send Model to midas Gen



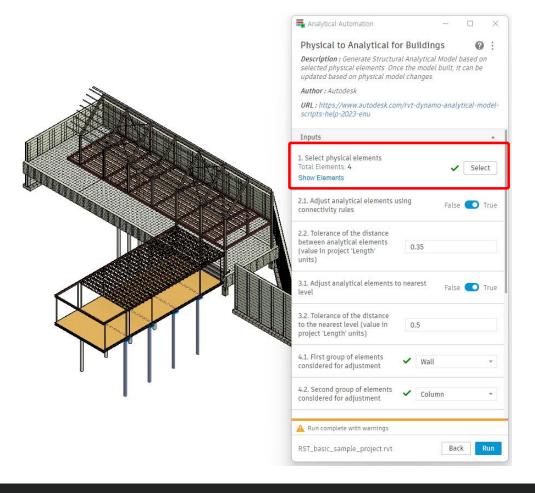




6. Revit 2023 Interface

Gen-Revit Link

User can export to Gen after setting up structural elements through the Analytical Automation function in Revit 2023.







7. Added to Rebar DB for Philippine (Design+)

User can do reinforcement concrete member design using Philippine rebar code in the Design+ software.

