# midas FEA NX

Advanced Nonlinear and Detail Analysis System

Excellent Result Display by Powerful Graphic Engine



CAD based Powerful Pre & Post Processors

Comprehensive Database of Material Fast Analysis optimized for 64-bit Platform

Models



MIDAS IT Tower, 17, Pangyo-ro 228 beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13487, Korea Copyright © Since 1989 MIDAS Information Technology Co., Ltd. All rights reserved.

## **Application Areas**

#### **Plastic Analysis in Steel Connection**

Examination of stress tolerance according to steel Von-mises model



#### Evaluation of Thermal Damage due to Fire

Evaluate the effect due to high temperature in case of fire in subway station



#### Sequential Verification in Concrete Structure

Construction stage analysis considering concrete shrinkage by temperature loads for 3D podium structure



#### Interface Nonlinear Analysis

Verification of curtain wall type concrete heat-dissipating wall



#### Heat of Hydration Analysis

Heat transfer analysis and thermal stress analysis considering creep & shrinkage

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#### Post-tensioning Slab Analysis

Maximum deflection and column axial force comparison according to the post-tensioning arrangement



### Behavior of PC Columns in High-seismic Zone

Analysis of joint by cyclic load with nonlinear behavior of steel and concrete







### High-end Analysis Capabilities

