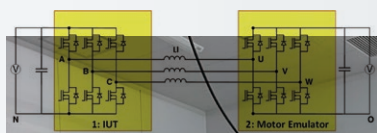


Inverter / M-Emulator



30,000rpm

あらゆる種類の高速度モータドライブを実現でき、
インバータアルゴリズム開発に最適

Realized all kinds of high-speed motor drives
The best solution for inverter algorithm development

200xN kW

パワーモジュール、ドライバ、PCU交換構造を取り、
200kWからスケーラブルな出力

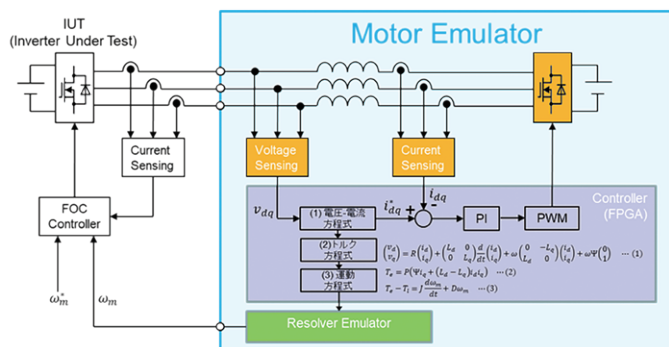
Scalable output from 200kW with power module,
driver, and PCU replacement structure

250kHz

FPGA高速・高精度演算により、
モータ方程式を完全に再現

Completely reproduce motor equations
using FPGA high-speed, high-precision calculations

システム構造 | System Structure



仕様 | Specifications

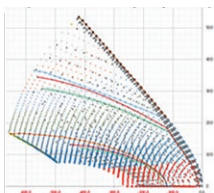
Item	Setting	Notes
DC voltage	800V	パワーモジュール 交換により出力拡張
DC current	292A	
AC current	300Arms	
AC Power	200kVA	
Switching	40kHz	実力値250kHz

Simulator + Emulator + Power Cycle Tester = One Stop Solution

Simulation

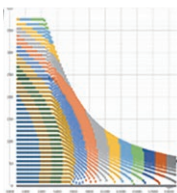
Consistency of theory
with reality

Id Iq Control Map by Torque



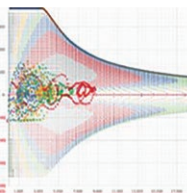
Temperature Map

Temperature Map



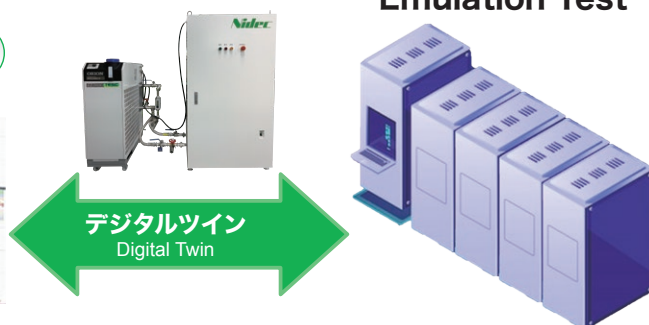
WLTC : Motor Efficiency

WLTC : Motor Efficiency



x Transport Simulator

Emulation Test



Reference Inverter with P.S