

Trade Name : Nexus R&D

Owner : Riichi Nagao

Qualification: Professional Engineer JAPAN in Mechanical Engineering

Office Location : Aichi, JAPAN



Mission :

My personal business mission is "to make engineering PoC simulation more accessible to everyone" and "to be a bridge between simulation and hardware/software development", and I will contribute to the industry in general through contract development and consulting related to simulation and hardware/software system development.

Business : Contract development and consulting for industrial machinery/robotics/energy facilities/mobility systems

- Engineering PoC (1D/3D) simulation development, verification, validation, and product application
[structural strength/Aged deterioration/lightweight, multibody dynamics, thermal, vibration, electricity, control]
- Software and database development, and verification, validation
- Prototyping and experimental verification of information/electrical/mechanical integrated systems, components and elements
- Engineering digital twin development, and verification, validation
- MBD/MBSE/analysis-driven design process implementation and education support
- Technical investigations [engineering/academic papers, intellectual properties/patents]
- Creation and translation of technical documents and materials [translation between English and Japanese]