Engineering Services

Ansys CHANNEL PARTNER

CYBERNET Since 1985

- High-quality and value-added simulation.
- Multi-industry experience.
- Capable of handling complex engineering problems.

HQ in Tokyo, Japan

Industry Experts

For whom

Are you facing any of these challenges?

▶ We want to make analysis work more efficient.

▶ Our team wants to improve their analysis skills.

▶ Lack of resources and time to carry out analysis work.

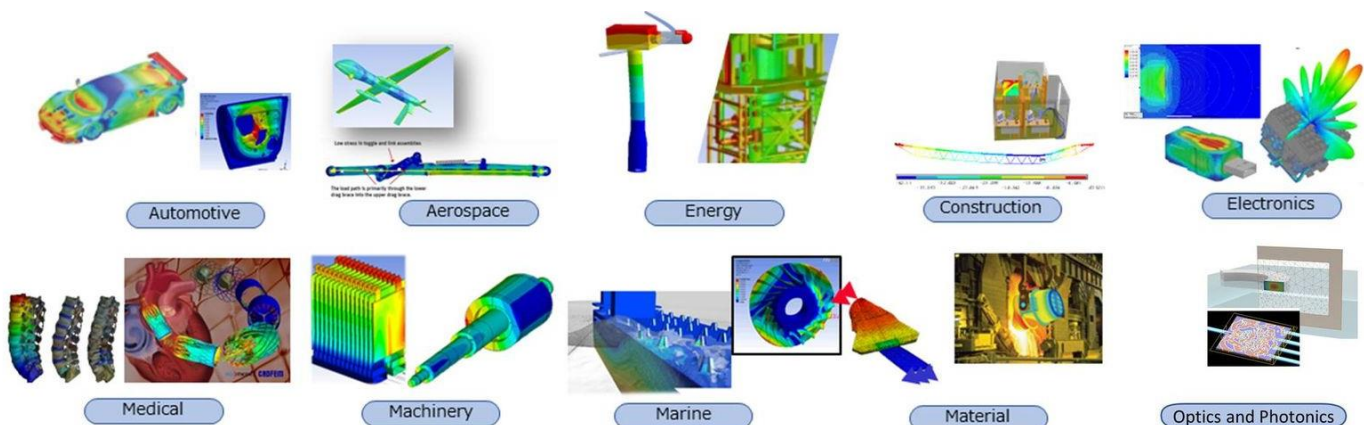▶ We don't know how to start, our team doesn't have enough experience and know-how to perform complex analysis using simulation.

Services we offer

Whether you are looking for a simple design, analysis or optimization task or a company-wide deployment of Computer-Aided Engineering (CAE), CYBERNET can provide the required guidance, consulting, training, and engineering services to surmount your engineering simulation challenges.

▶ **Thermal-Fluid analysis (CFD)**

▶ **Mechanical analysis**

▶ **Optical Analysis**

▶ **Consultation**

▶ **Training & other services**

Simulated with **Ansys**

Automotive

Aerospace

Energy

Construction

Electronics

Medical

Machinery

Marine

Material

Optics and Photonics

Service flow

▶ Consultation/Appointment

▶ Simulation Service

▶ Delivery of Report

Professional Services

**CYBERNET SYSTEMS MALAYSIA SDN. BHD.**

Fluid Analysis

- Steady/Transient flow
- Laminar/turbulence flow
- Compressible/Incompressible flows
- Chemical/combustion flow
- Multiphase flow
- Turbomachinery

▶ Air-conditioning System (HVAC)

- Indoor ventilation simulation
- Building (outdoor unit) heat discharge simulation
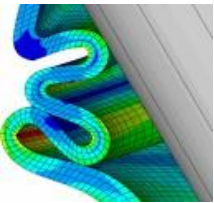- Airflow performance simulation
- Heat exchanger simulation
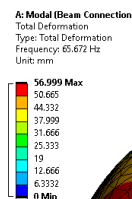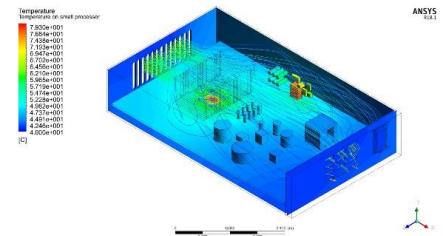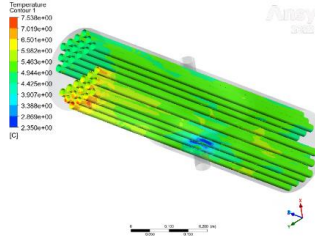
▶ Waste Water Treatment Plant

- Ozone Contact Tank
- Mixing Tank
- Flocculation/Clarifiers
- Sedimentation Tank
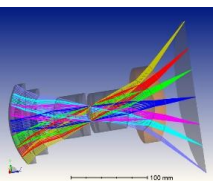- UV Water Disinfection
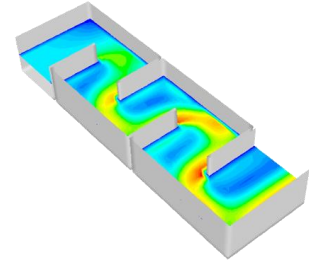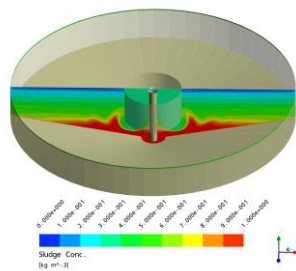
Mechanical Analysis

- Structural Integrity (displacement/ stress/strain)
- Vibration characteristics (resonant frequency)
- Vibration response to seismic events
- Drop/Collision test
- Fatigue/Fracture/Buckling load
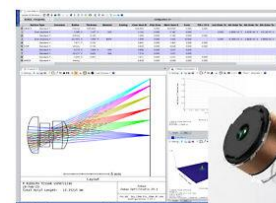- Non-linear Material (Plastic/Hyperelastic/Viscoelastic)
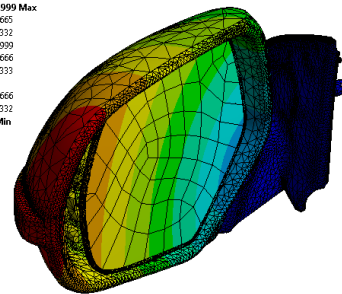
Optical Analysis

- Lens Design
- Optimize and Tolerance for manufacturability

Other Services

- CAD creation
- CAE environment construction
- Sample model creation
- Customization training
- CAE launch support
- Consulting