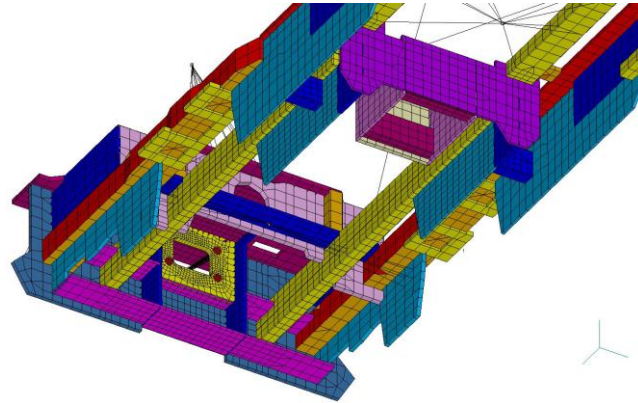


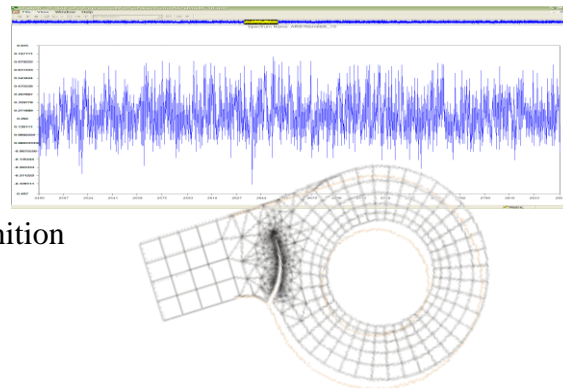
## NUMERICAL SIMULATIONS – DETAILED STRESS ANALYSIS

- Strength
- Stiffness
- Stability
- Dynamic
- Vibrations
- Optimization
- Non-linear
- Post-buckling
- Metallic materials
- Composite materials
- Sandwich structures



## FATIGUE – DAMAGE TOLERANCE

- Stress-life
- Strain-life
- Crack growth
- Stress intensity solutions
- Spectrum development
- Inspections interval definition
- Guidelines development



## TESTING

- Preparation
- Specifications
- Predictions
- Survey
- Interpretation



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