



IOMANAGER

IOMANAGER IS AN INTUITIVE DATA COLLECTION PLATFORM
FOCUSED ON VEHICLE AND STRUCTURAL DYNAMICS,
INCLUDING MULTI-CHANNEL RECORDING, TEMPLATE-BASED
PROCESSING, REPORTING AND ANIMATION CAPABILITIES.



★ INPUT CAPABILITIES

- Fully integrated to EZMetrology Pod Platform
- Force Pod, SpeedPod, PressurePod, SensorPod...
- Fully integrated to EZMetrology EZMotion to measure 3D movements in space
- Compatible with CAN input
- Channel Synchronization



+ PROCESSING CAPABILITY

- Re-sampling signals for mixed processing
- Signal Filterer (Low-, Band- and Hi-Pass)
- Energy Calculation
- Mathematical operations; differential, integration

⚙️ ANIMATION

- Import channels and reconstruct 3D animations
- Colored representation in function of stress or characteristics
- Use 3D models
- Motion amplification for visualization of the events

☐ TYPICAL APPLICATIONS

- Used in Wind tunnel testing for measuring deformation and establish relationship between wind load and amplitude or frequency
- Power Doors response between electrical operation and physical movements such as speed, force...
- Structural deformation under influence of loads
- Vehicle Dynamics to correlate vehicle characteristics, wheel characteristics

📄 REPORTING POSSIBILITIES

- Extract the characteristic in form of numerical value (max, min...)
- Extract a graphical function to display relationships between metrics
- Build custom report

