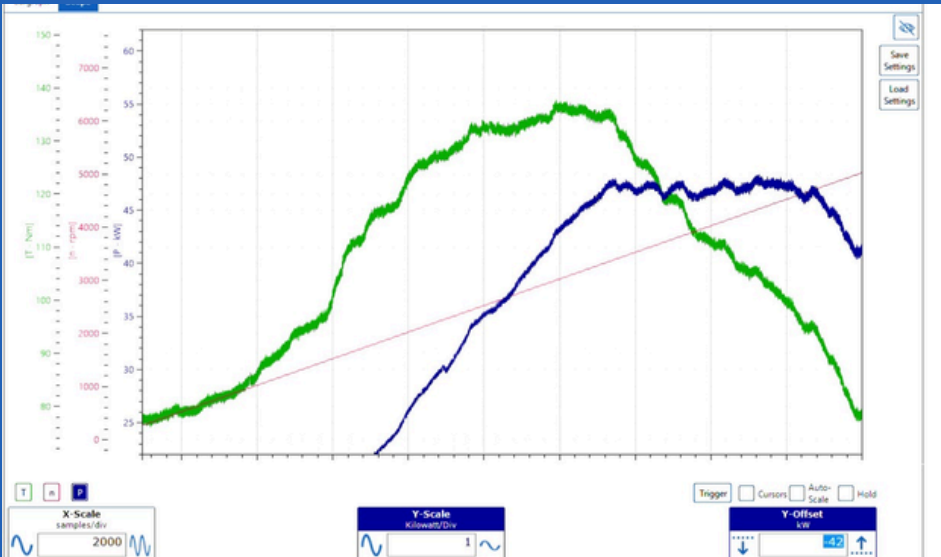# MANNER SENSORTELEMETRIE

LIFE DATA ANALYSIS

MANNER Telemetry System:

- modern telemetry data data acquisition system for simple standalone devices to complex, integrated solutions.
- powerful analysis software for realtime data processing
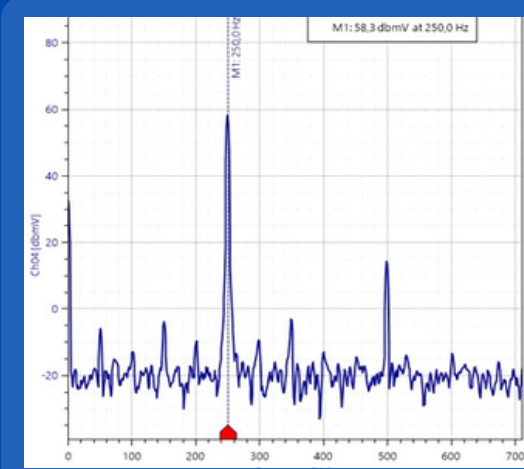- comprehensive toolbox for standard analysis and customizable calculations.

Include features such as:

- Sensor Calibration: Ensuring the accuracy of the collected data by calibrating the sensors.
- Visualization tools: Providing graphical representations of the data with charts such as:
    - Bargraph, Osciloscope,
    - Line chart,
    - Histogram
    - Scatter plot / xy-Chart
- Time & Frequency Analysis in Realtime
- Data Logging: Capturing and storing the telemetry data for later analysis.

Online and Post Analysis:
Power, Torque, Efficiency, Power-Loss, Vibration, Rotation, Vector, Angle

Calculation of reaction forces, force flow, moments, tension, deflection and twist of the shaft

MULTILINE / COMPLEX FORMULA

Example formula: "[Ch01] + Math.Abs([Ch02])"

var p_In =MecFunc.PowerRot(rev: [Rot. Speed In],t: [T_in]);
var p_Out =MecFunc.PowerRot(rev: [Rot. Speed Out],t: [T_out]);
return MecFunc.EfficiencyPct(POut: [P_out],PIn: [P_in])

SUGGESTION / FORMULA-TOOL-BOX   SUGGESTION / CHANNEL - SELECTION

CMT -
CHANNEL MONITIORING AND POWER CONTROL TOOL

Online Sensor health Analysis/Overview
- Sensor Health Check
- Events / Warnings / Errors

Online: Event-Reporting
- Customize Filteroptions
- Free Trigger Level Settings

Online: Power Control / Monitoring
- RF-Power setting
- Realtime
    - Rotor Voltage Control
    - Rotor Thermal Protection
- Module Power Consumption Analysis