

I FEEL  
SLOVENIA



GREEN.  
CREATIVE.  
SMART

# DEWESOFT

REPUBLIC OF SLOVENIA  
MINISTRY OF EDUCATION,  
SCIENCE AND SPORT

SPiRiT  
SLOVENIA

Slovenian Public Agency for  
Entrepreneurship,  
Innovation, Foreign  
Investments and Technology

Gospodarska  
zbornica  
Slovenije

Chamber of Commerce  
and Industry of Slovenia



REPUBLIC OF SLOVENIA  
MINISTRY OF ECONOMIC DEVELOPMENT AND  
TECHNOLOGY

# SLOVENIA@CERN

9. - 10. October 2019



**DEWESoft**<sup>®</sup>  
measurement innovation

Bojan Čontala  
Sales Manager Europe

THE IDEA



TIME



LENGTH



TEMPERATURE



FLOW,  
VOLUME

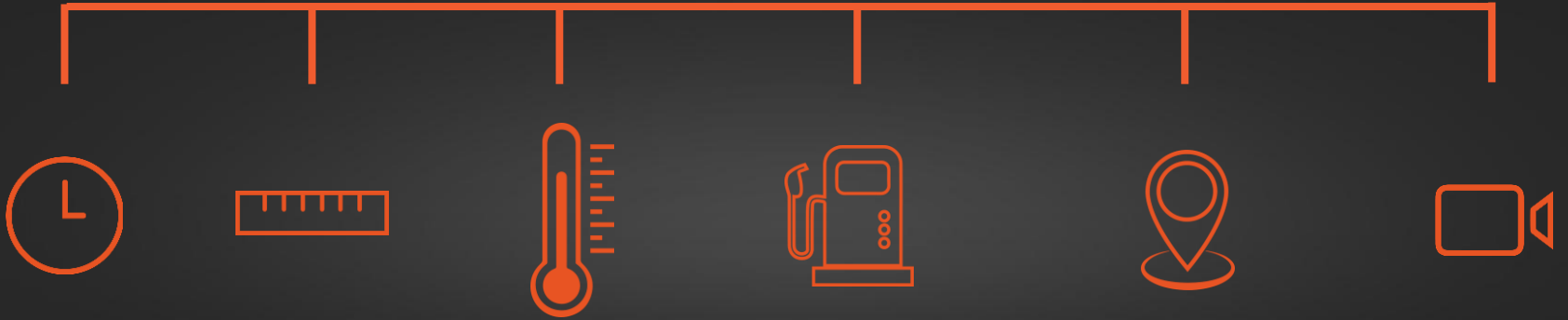


GPS



VIDEO

# SYNCHRONIZATION, STORAGE



TIME



LENGTH



TEMPERATURE



FLOW,  
VOLUME



GPS

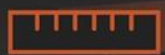


VIDEO



13:58:00.932

A central dashboard interface with multiple panels. The top-left panel shows a digital clock reading '13:58:00.932'. The top-right panel shows a temperature gauge with a value of '64.00'. The middle-left panel features a horizontal bar chart with an orange bar. The middle-right panel displays a 3D topographic map with a red and green area highlighted. The bottom-left panel shows a digital display reading '3.0030'. The bottom-right panel contains two sub-panels: the top one is an FFT (Fast Fourier Transform) spectrum plot with a prominent peak, and the bottom one is a waveform plot showing a regular oscillation.



3.0030



WE DESIGN AND BUILD  
VERSATILE AND  
SIMPLE TO USE  
DATA ACQUISITION  
SYSTEMS.

OUR INSTRUMENTS ARE  
ULTIMATE TOOLS  
FOR EVERY TEST ENGINEER.





# DEWESOFT LABORATORIES

RESEARCH,  
DEVELOPMENT  
AND TESTING  
FACILITIES



MADE IN  
EUROPEAN  
UNION

EVERYTHING  
IS MADE IN  
HOUSE



# TOTAL QUALITY CONTROL

ISO 9001  
FACTORY TRACEABLE  
CALIBRATION

EVERY INSTRUMENT IS  
TRACEABLE DOWN TO ITS  
LAST COMPONENT

ZERTIFIKAT ♦ CERTIFICATE ♦ СЕРТИФИКАТ ♦ CERTIFICADO ♦ CERTIFICAT



## CERTIFICATE

The Certification Body  
of TÜV SÜD Management Service GmbH  
certifies that



**DEWESoft d.o.o.**  
Gabrsko 11a, 1420 Trbovlje  
Slovenia

Scope of application:  
Development, Production and Sales of Measurement Instruments

**DEWESoft d.o.o.**  
Knezdol 32, 1420 Trbovlje  
Slovenia

Scope of application:  
Production of Measurement Instruments Housings

has established and applies  
a Quality Management System for

An audit was performed, Report No. 707022591.  
Proof has been furnished that the requirements  
according to

**ISO 9001:2008**

are fulfilled. The certificate is valid from 2014-01-02 until 2017-01-01.  
Certificate Registration No. 12 100 47045 TMS

*M. Siegel*

Product Compliance Management  
Munich, 2014-01-02



TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstraße 65 • 80329 München • Germany

TUV

ZERTIFIKAT ♦ CERTIFICATE ♦ СЕРТИФИКАТ ♦ CERTIFICADO ♦ CERTIFICAT



## CERTIFICATE

The Certification Body  
of TÜV SÜD Management Service GmbH

certifies that



**DEWESoft d.o.o.**  
Gabrsko 11a  
1420 Trbovlje  
Slovenia

has established and applies  
an Environmental Management System for

Development, Production and Sales of  
Measurement Instruments

An audit was performed, Report No. 707022591.  
Proof has been furnished that the requirements  
according to

**ISO 14001:2004**

are fulfilled. The certificate is valid from 2015-01-09 until 2018-01-08.  
Certificate Registration No. 12 104 47045 TMS

*M. Siegel*

Product Compliance Management  
Munich, 2015-01-09



TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstraße 65 • 80329 München • Germany

TUV

# TOTAL SOLUTION

## DEVICES



## SOFTWARE



# Signals

# Data analysis

Statistics  
IIR filter  
FIR filter  
Envelope detection  
Psophometer

## Voltage

## Temperature

## Formula

## Combustion analyzer

## Modal test

# Storing

## Power analyzer

## FFT analyzer

# Visualisation

## Synchronisation

## Scope

## Alarms

## Analog meter

## Matlab®



Chapter 10 Velocity  
Weather station  
Arinc 429 User input Force  
Current  
Open math interface  
Frequency  
Counting  
Exact frequency  
Angle sensor math  
Reference curves  
Statistics  
IIR filter  
FIR filter  
Envelope detection  
Psophometer  
Angle  
Mass  
TEDS  
CCP  
J1939  
J1587/J1708  
MIL 1553  
CAN  
Photron  
Function generator  
Mass flow  
FIR thermovision  
Formula  
Integral  
Cepstrum  
Human vibration  
Derivative  
Modal test  
Polygon  
Short time Fourier transform  
CAPS/ACC  
Fatigue analysis  
Strain  
Torque  
Digital in  
Serialcom  
DirectX  
Sound pressure  
CAN FD  
Power analyzer  
Classification  
Octave analysis  
Rosette  
Combustion noise  
Tracking filter  
Shock response spectrum  
XY recorder  
Resistance  
Pressure  
Hold off  
Displacement  
Delta amplitude  
Relative time trigger  
Data manager  
Filtered edge trigger  
Reduced storing  
Text file import  
XCP  
Vehicle dynamics  
Scope  
3D graph  
Polygon 3D  
Overload indicator  
Video control  
GPS  
Triggered storing  
Window  
Window and pulsewidth  
Simple edge trigger  
Pre trigger  
Absolute time trigger  
Multifile  
Pulsewidth  
Open plug  
DCOM interface  
UA®  
Sequencing  
Open visual control interface  
Digital output  
Digital meter  
Modal circle  
Digital indicator  
Discrete disp  
al file forma

# SOFTWARE FEATURES

Powerful online/offline data processing, MATH, filters, statistics, reference curve, etc...

Easy to setup and customise displays for data visualisation

Triggers and alarms

Built-in sequencer for automating test procedures and workflows.

C:\DEWESoft\Data\BMW-Doors1.dxd 20000

Store Zero Orientation Stop

Trigger Angle (°) 3,00

Door Angle (°) 66,50

Radius (m) 0,98

Velocity

Angle

TrigVel ACT 0006

Rot\_Magnitude ACT 66.128



# DEWESOFT® APPLICATIONS



DRIVER: Walter Haupt

LOCATION: Nürburgring, Nordseife

CAR: BMW 530i (E60)

# APPLICATIONS AUTOMOTIVE

CAN, CAN FD, Flexray,  
XCP, CCP, Ethernet,  
OBDII, J1939, J1587

Road load analysis

Vehicle dynamics

Combustion analysis

Polygon analysis

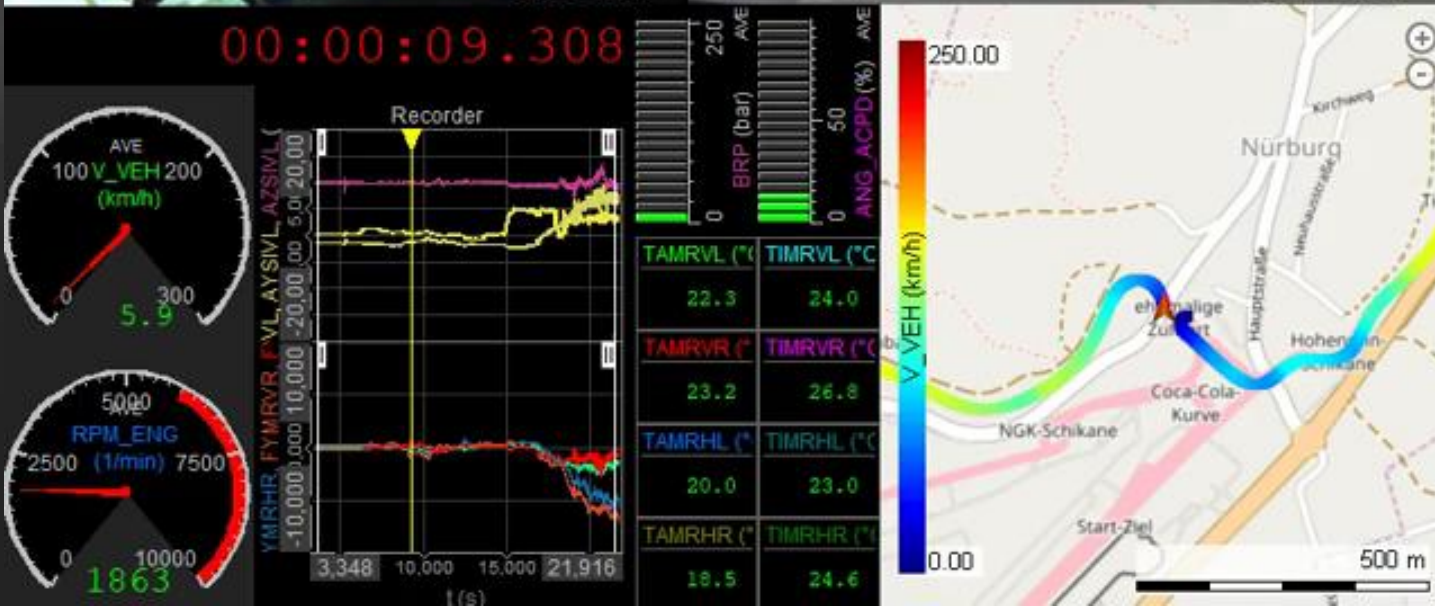
Emobility/hybrid  
vehicle analysis



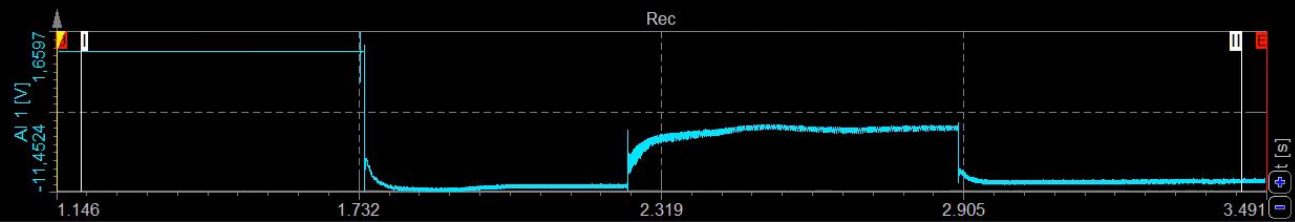
Driver view



Chase view







APPLICATIONS  
**AEROSPACE**

Arinc429, MIL1553

PCM telemetry

Chapter 10 interface

iNET interface



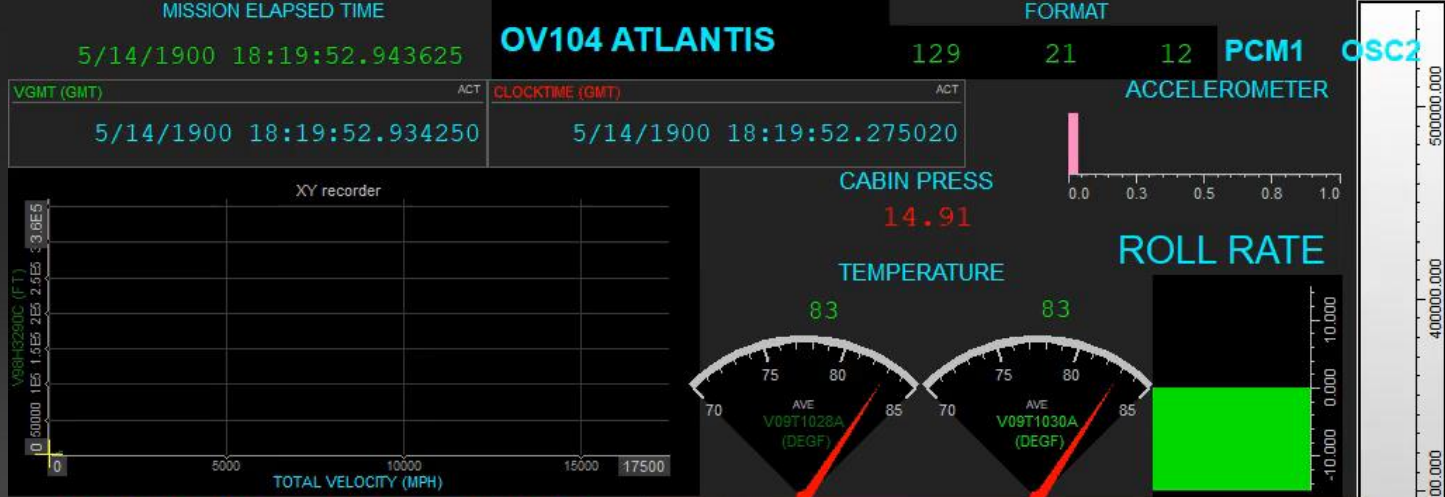
APPLICATIONS  
**AEROSPACE**

Arinc429, MIL1553

PCM telemetry

Chapter 10 interface

iNET interface



ALTITUDE (FT) VELOCITY (MPH)

0 0

FLOW RATE (GAL/MIN) TURBINE SPEED (RPM)



APPLICATIONS

NVH

FFT analyser

Modal analysis

Order tracking

Torsional vibration

Balancing

Sound level meter

Human body vibration



APPLICATIONS

NVH

FFT analyser

Modal analysis

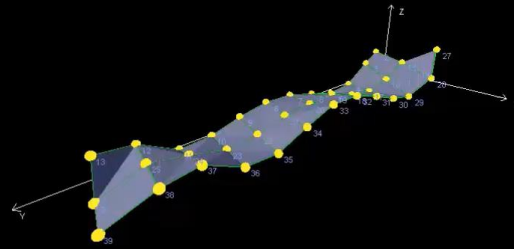
Order tracking

Torsional vibration

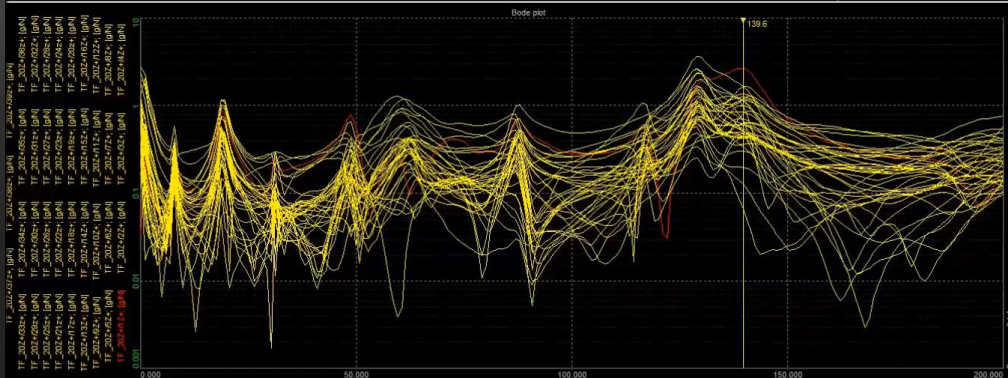
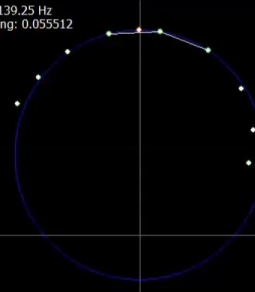
Balancing

Sound level meter

Human body vibration



Freq: 139.25 Hz  
Damping: 0.055512



APPLICATIONS

# POWER

Power grid analysis

Inverter motor  
analysis

Efficiency  
measurement

Power quality  
analysis



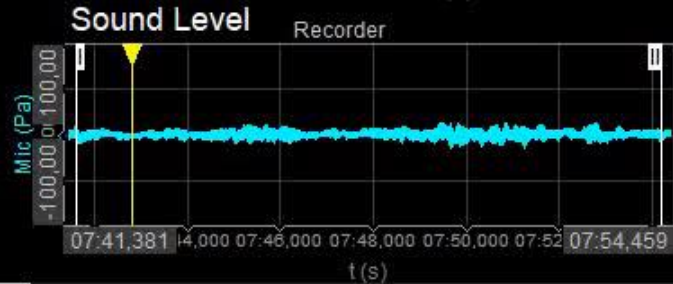
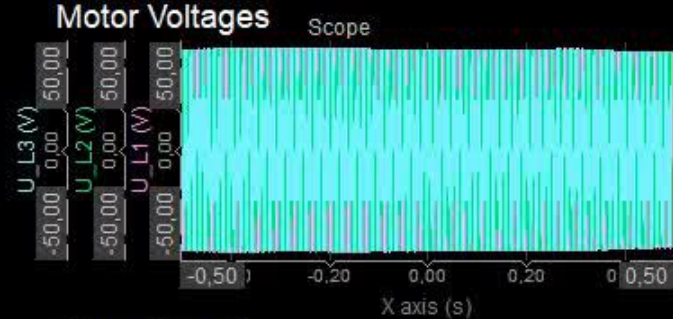
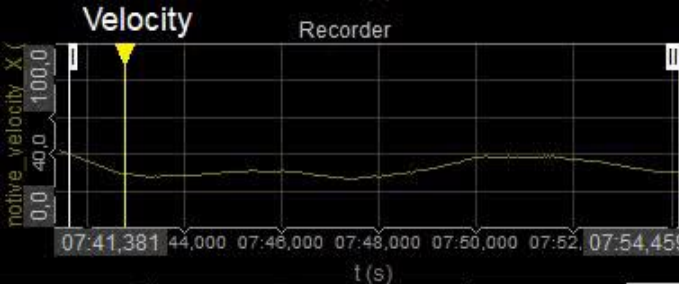
APPLICATIONS  
**POWER**

Power grid analysis

Inverter motor  
analysis

Efficiency  
measurement

Power quality  
analysis



Energy

E_P (Wh)	ACT
	2
E_Q (Wh)	ACT
	40
E_S (Wh)	ACT
	45



APPLICATIONS

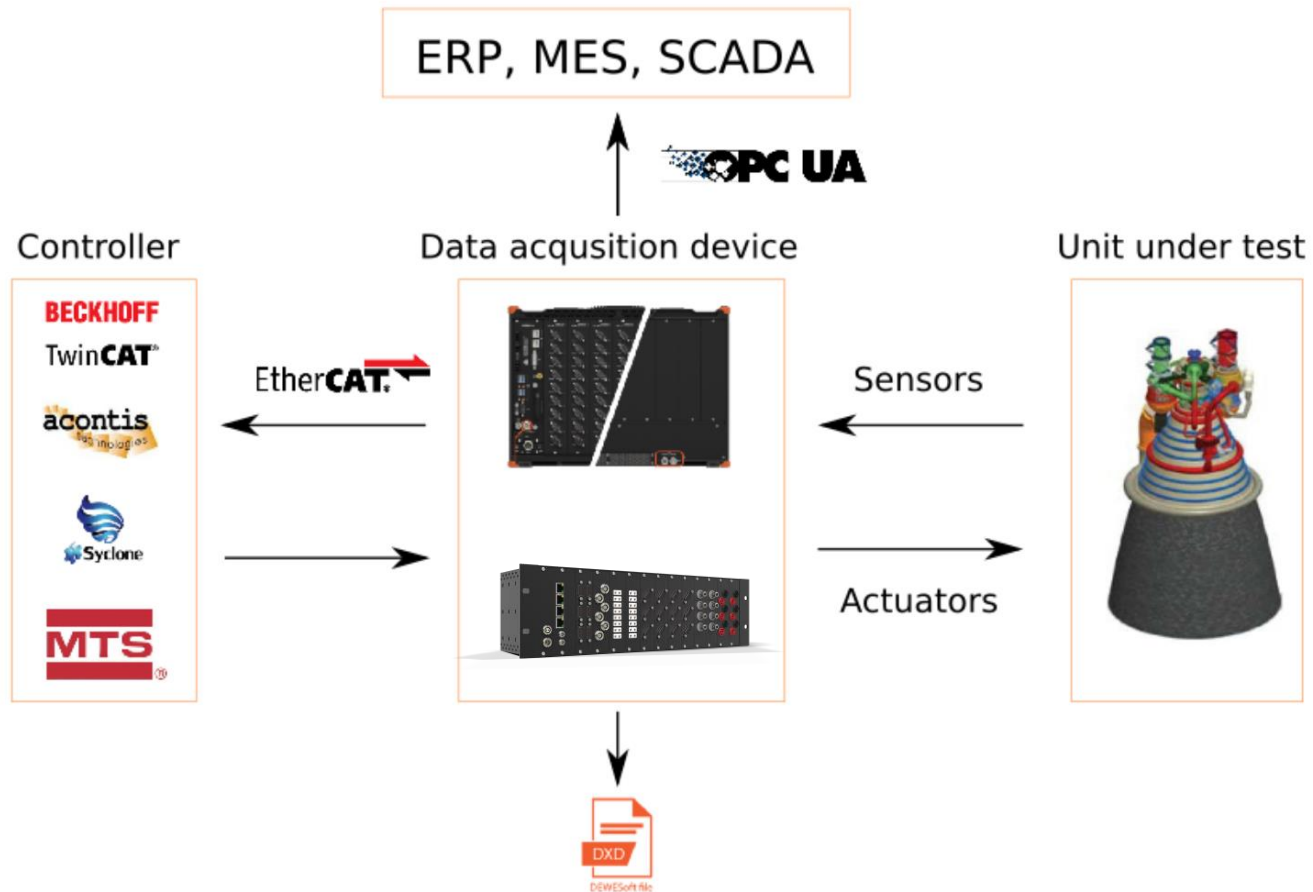
# INDUSTRIAL

Real time Ethercat  
interface to  
control systems

OPC UA interface

Siemens S7

Modbus





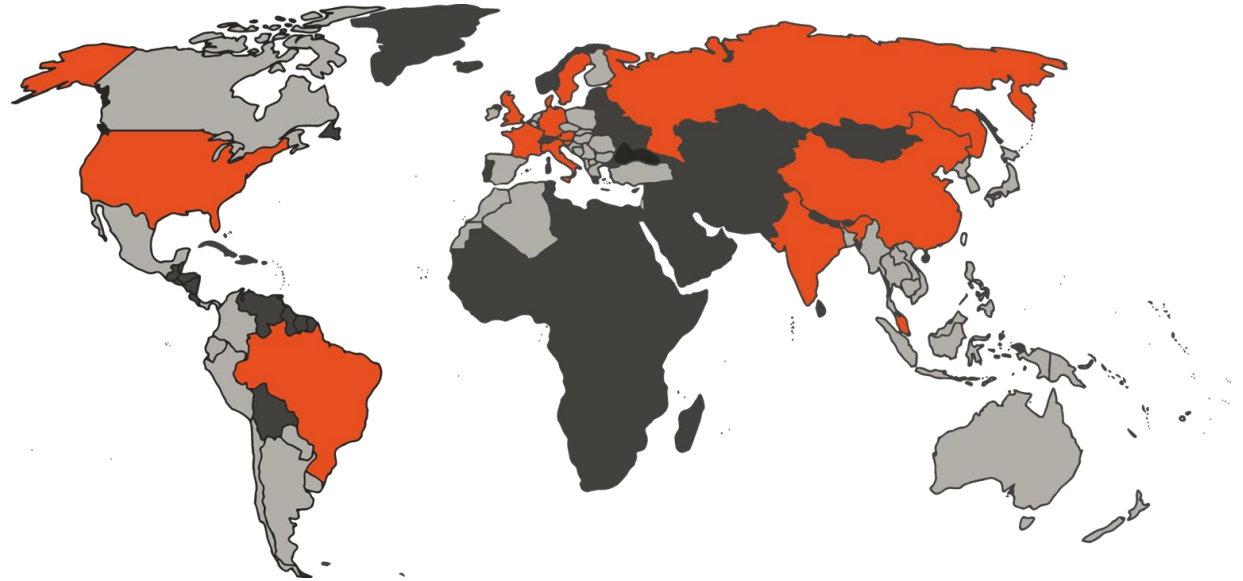


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DEWESOFT  
WORLDWIDE

Partners in more  
than 50 countries



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DENMARK, FRANCE, GERMANY, HONG KONG, ITALY, INDIA,  
RUSSIA, SINGAPORE, SWEDEN, UK, USA.



Honeywell GENERAL ATOMICS

SPACEX

SIEMENS endesa

ETBS

GENERAL DYNAMICS AEROSPACE

BOMBARDIER

Raytheon

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TSNIIMASH

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Visteon

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ANDRITZ

P&G



DEWESoft  
EMPLOYEE OWNED COMPANY  
BUILD TO LAST

THANK YOU FOR YOUR TRUST