



FlowCapt

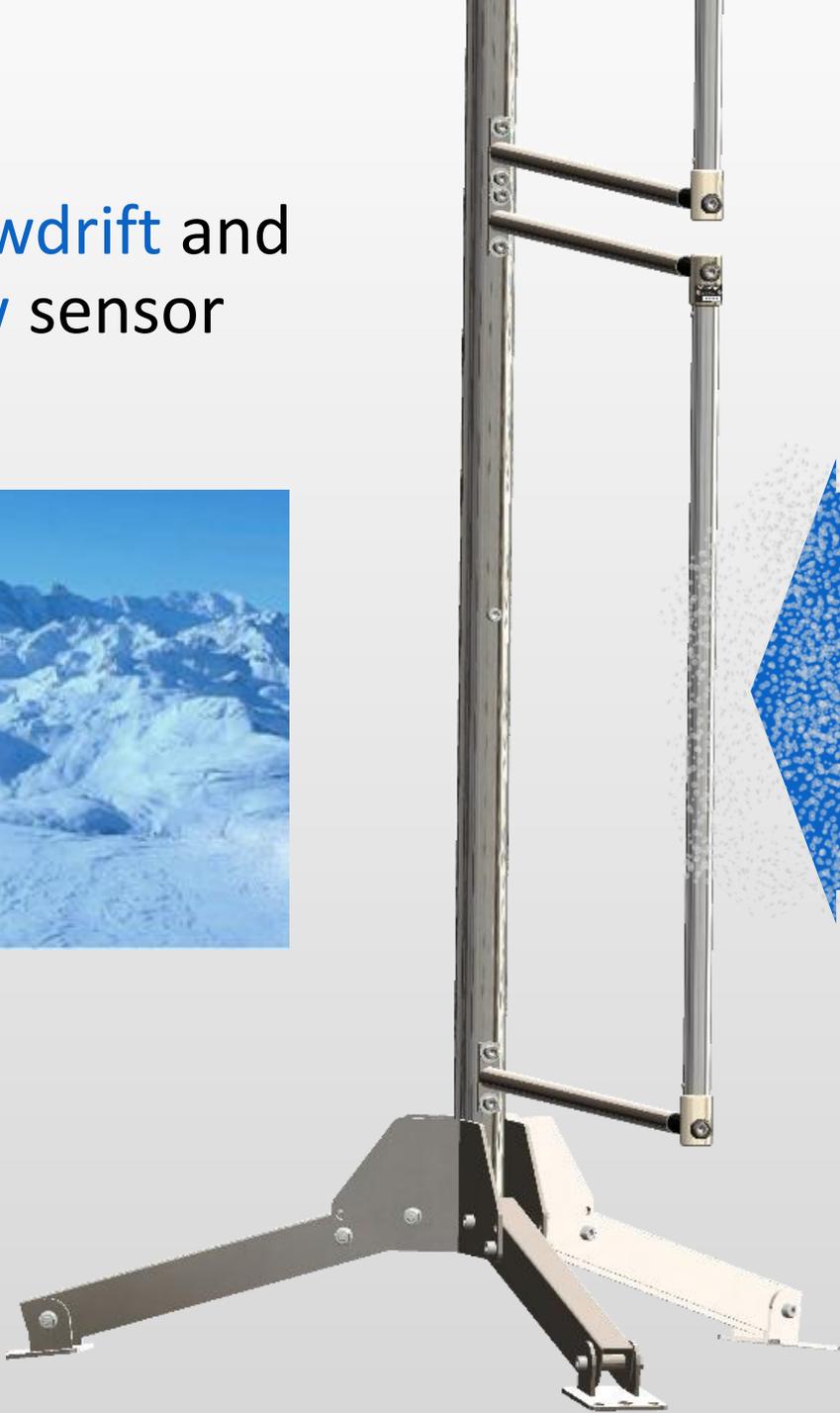
snowdrift & wind monitoring sensor



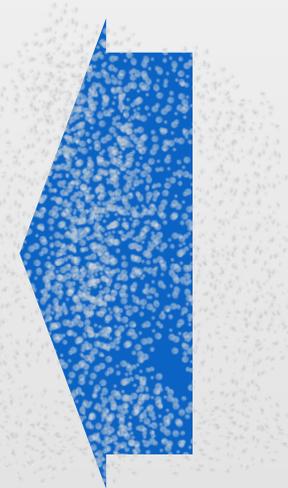
No-moving parts
Zero-maintenance
Very low power
Ultra-robust
Precision instrument

 Made in Switzerland 

Specialized snowdrift and blowing snow sensor



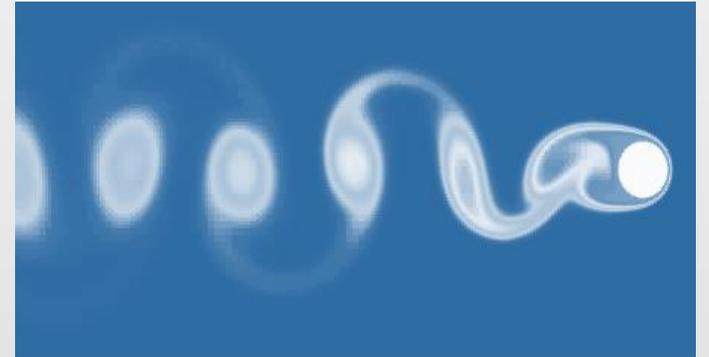
Vibro-acoustic detection principle



Also measures the
wind speed

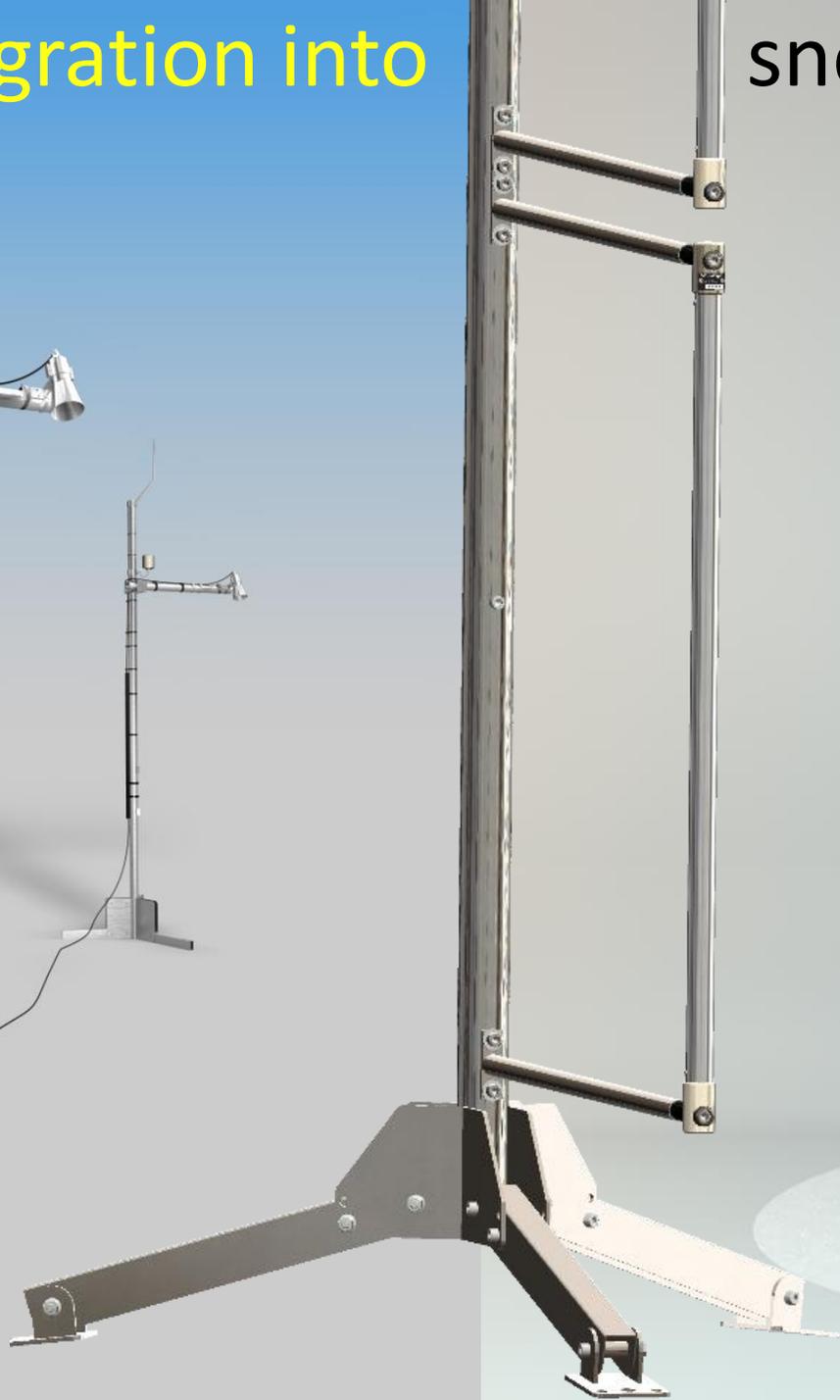


Vortex friction
detection principle



Integration into

snowdrift monitoring station





Harsh Environmental Monitoring Solutions



Compare Periods 6 months / 7 days Select Period 2024

Related Stations FHUE1 All Stations Region



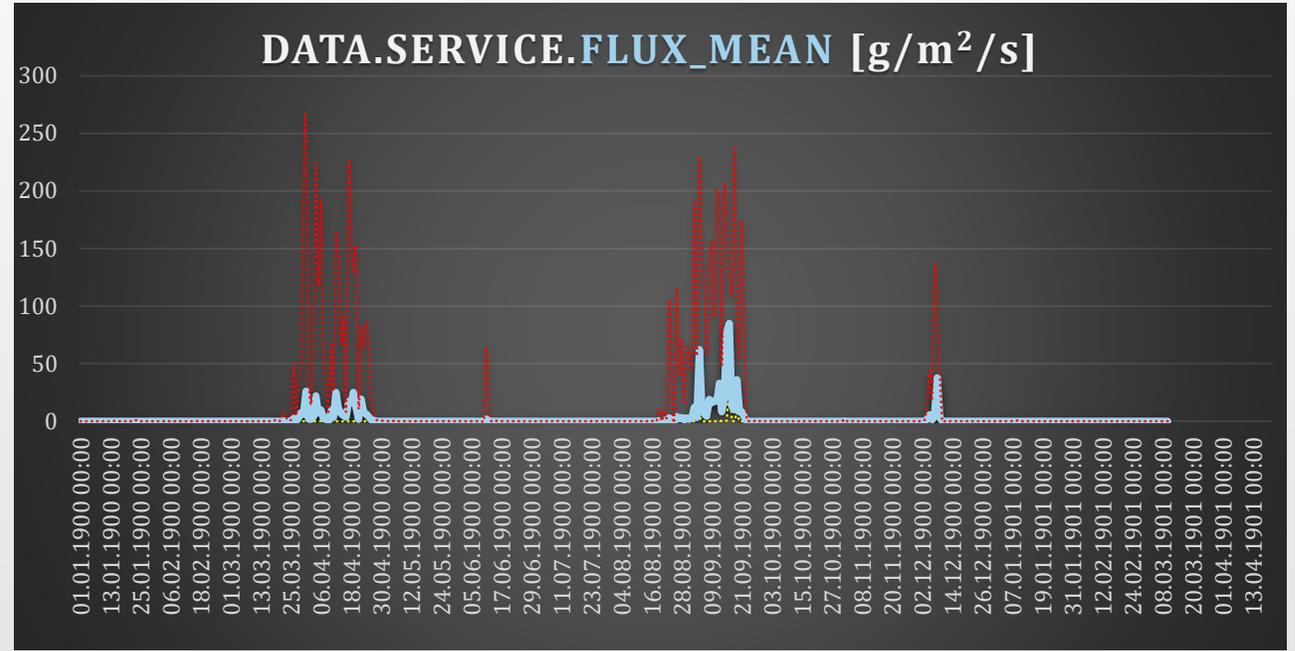
Station	FHUE1
Country	France
Region	Isère
Site	Huez
Latitude	45.101875
Longitude	6.056158
Altitude	2064 (m)
Region ID	CD38
Status	Enabled
Configuration	Wind speed Wind direction AR100 RainFlow FlowCapt sensor 0-1m FlowCapt sensor 1-2m Snow height 1 Snow height 2 Air temperature Air Wetness
Last Update	16/05/2024 08:00
Next	10min
FlowCapt 1h	0.0 (g/m ² /s)
FlowCapt 24h	0.2 (g/m ² /s)
RainFlow 1h	0.0 (mm)
RainFlow 24h	0.0 (mm)
ARG100 1h	0.0 (mm)
ARG100 24h	3.4 (mm)

Provides

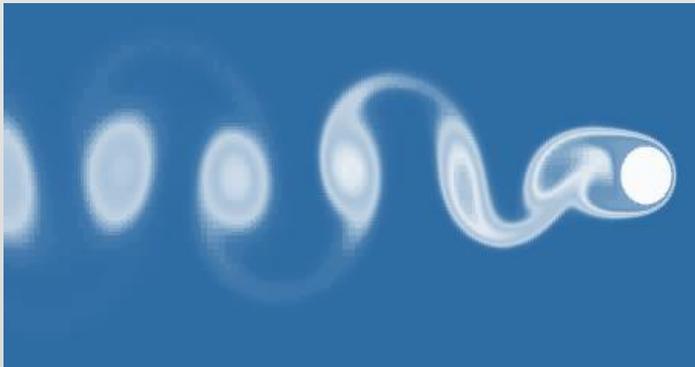
snowdrift flux data...



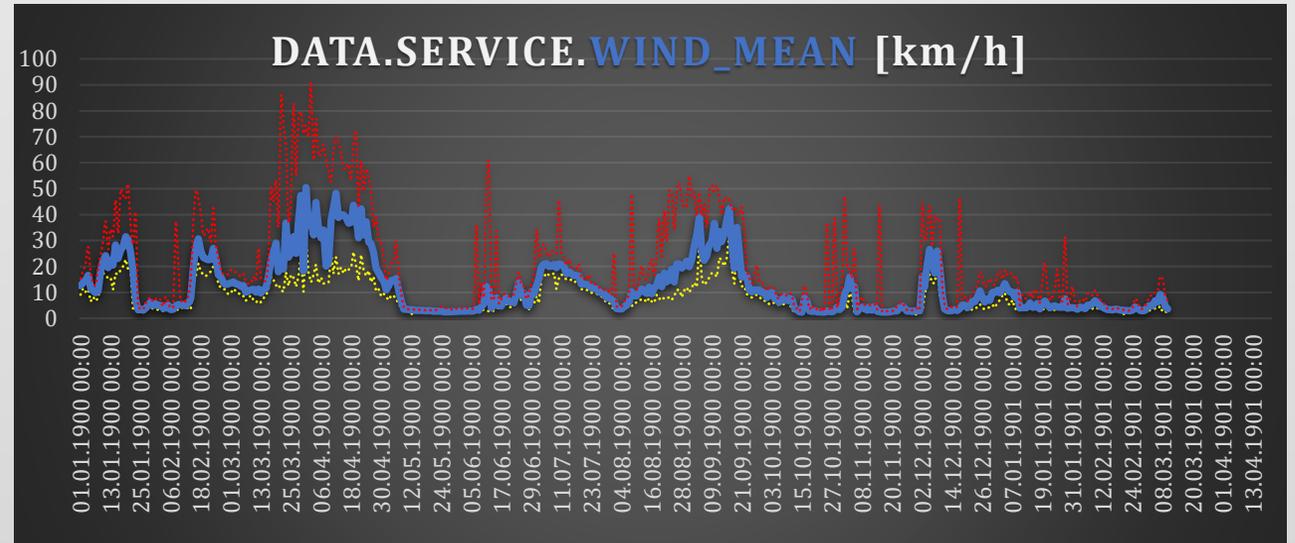
g/m²/s intensity



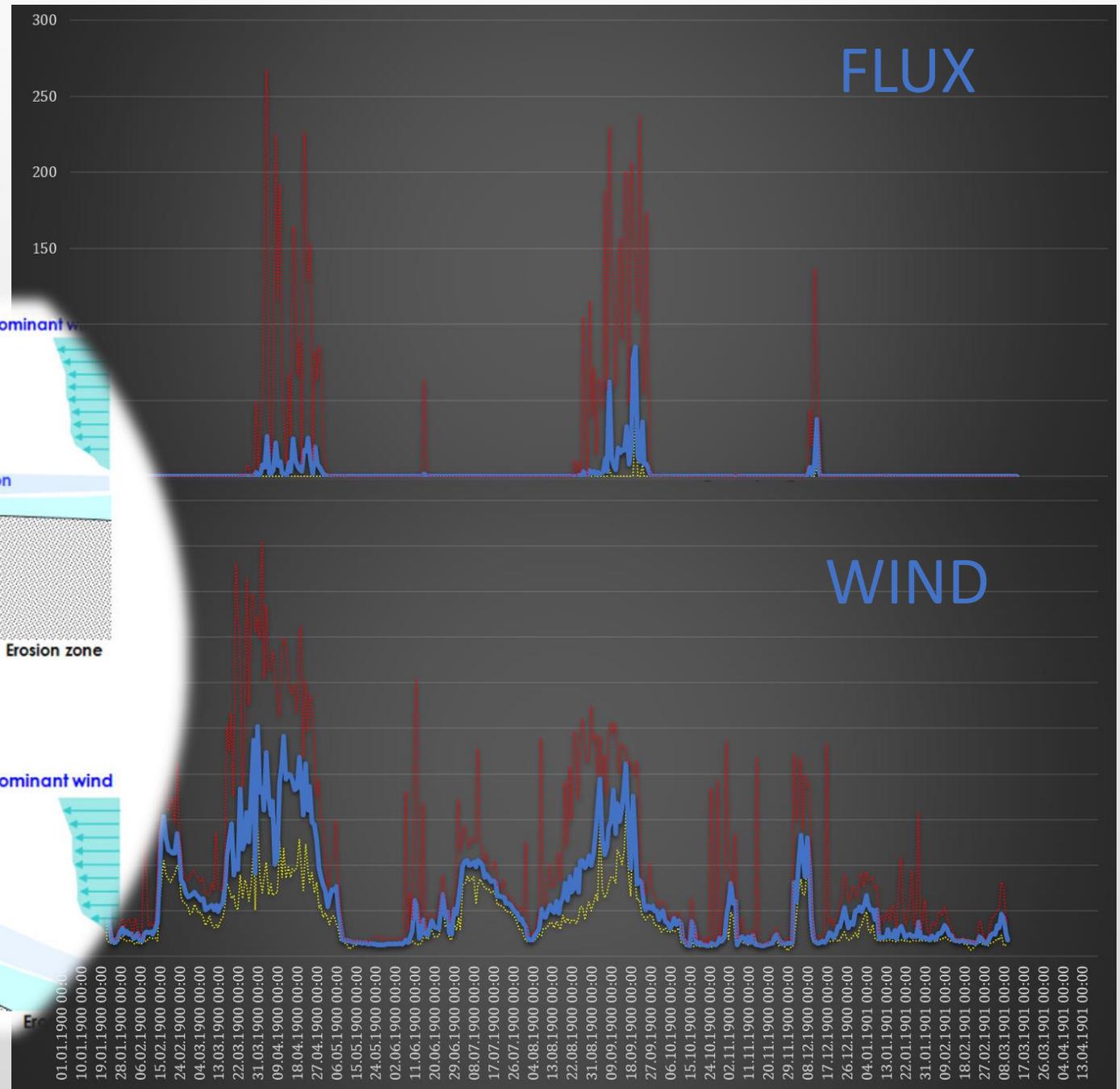
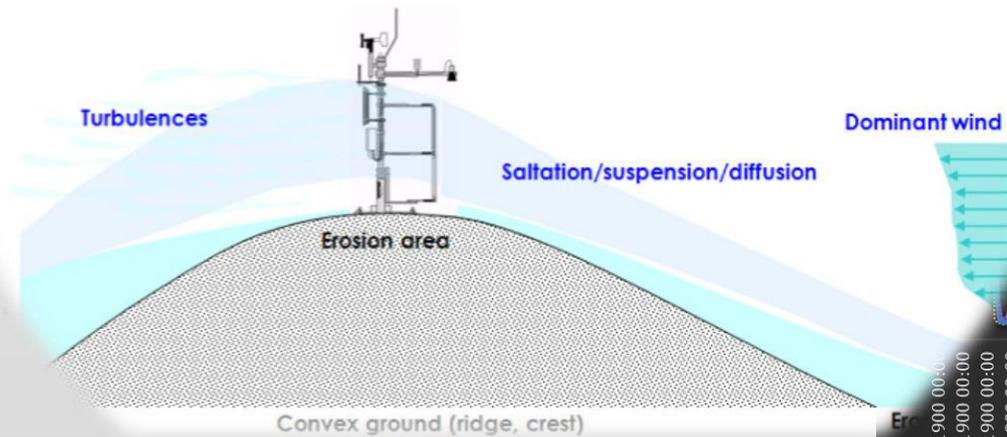
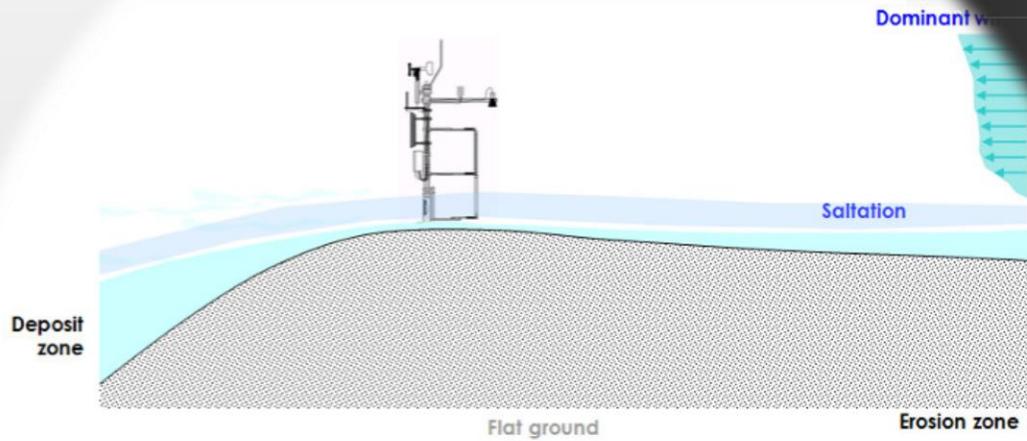
... and wind speed data



km/h (or m/s)

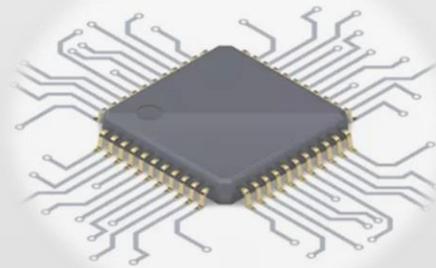
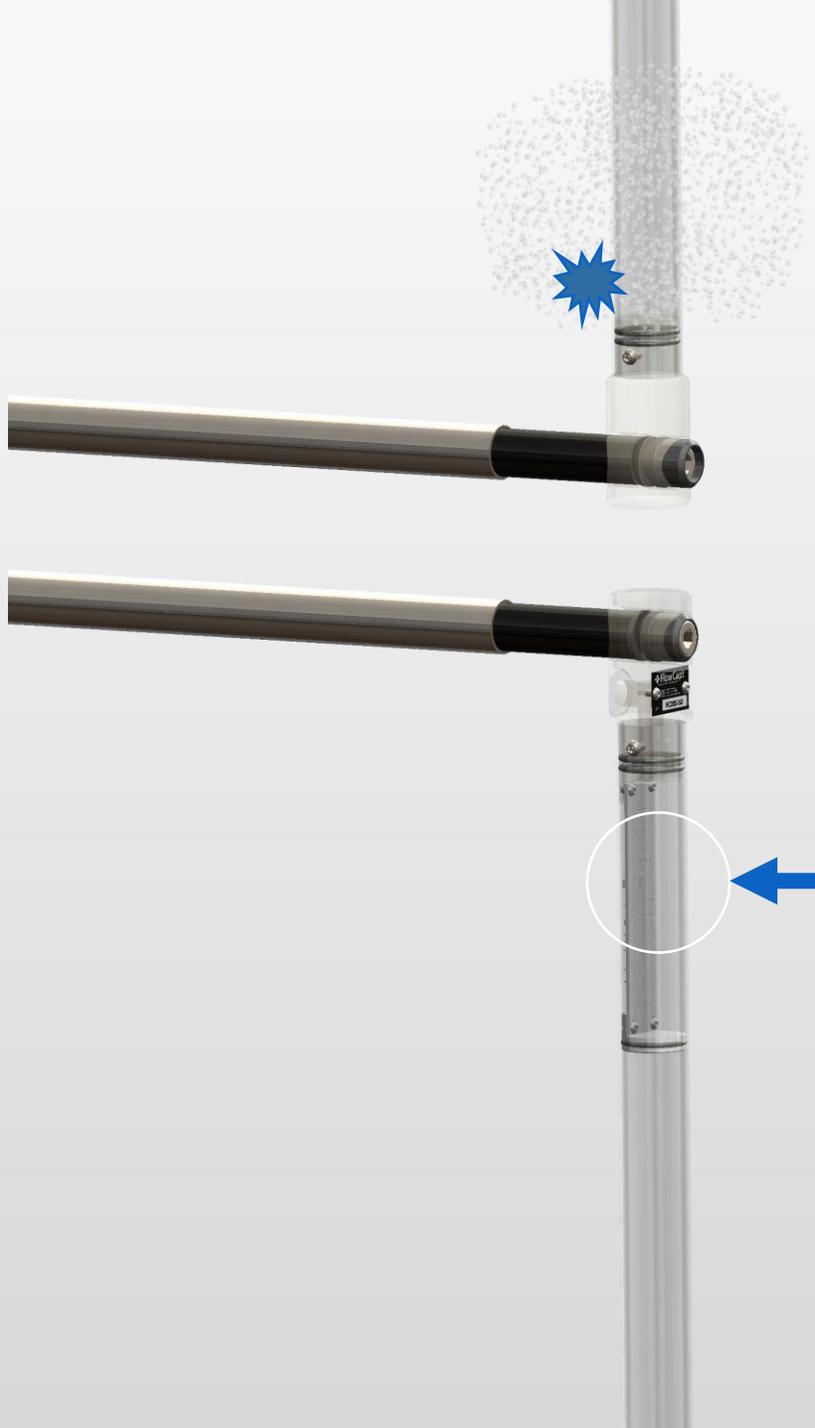


Reliable snowdrift data is of major importance for danger assessment



Smart instrument

Ultra-dedicated, real-time, high-resolution,
very-low power **embedded processing**



```
[...]  
[...]  
FLUX;<counter>;<unit>;<min>;<avg>;<max>;<std>;<unit>;<sum>  
<counter> is a frame counter incremented at each result  
<unit> is the unit of the following values in the frame: "g/m2/s"  
<min> is the minimum of the flux measurement [g/m2/s]  
<avg> is the average of the flux measurement [g/m2/s]  
<max> is the maximum of the flux measurement [g/m2/s]  
<std> is the standard deviation of the flux measurement [g/m2/s]  
<unit> is the unit of the following value in the frame: "g/m2"  
<sum> is the cumulative flux [g/m2]  
Example: FLUX;987;g/m2/s;247.24;262.41;288.12;4.80;g/m2;98652.94  
[...]  
WIND;<counter>;<unit>;<min>;<avg>;<max>  
<counter> is a frame counter incremented at each result  
<unit> is the unit of the following values in the frame:" km/h"  
<min> is the minimum of the wind measurement [km/h]  
<avg> is the average of the wind measurement [km/h]  
<max> is the maximum of the wind measurement [km/h]  
Example: WIND;987;km/h;57.63;68.74;89.32  
[...]
```

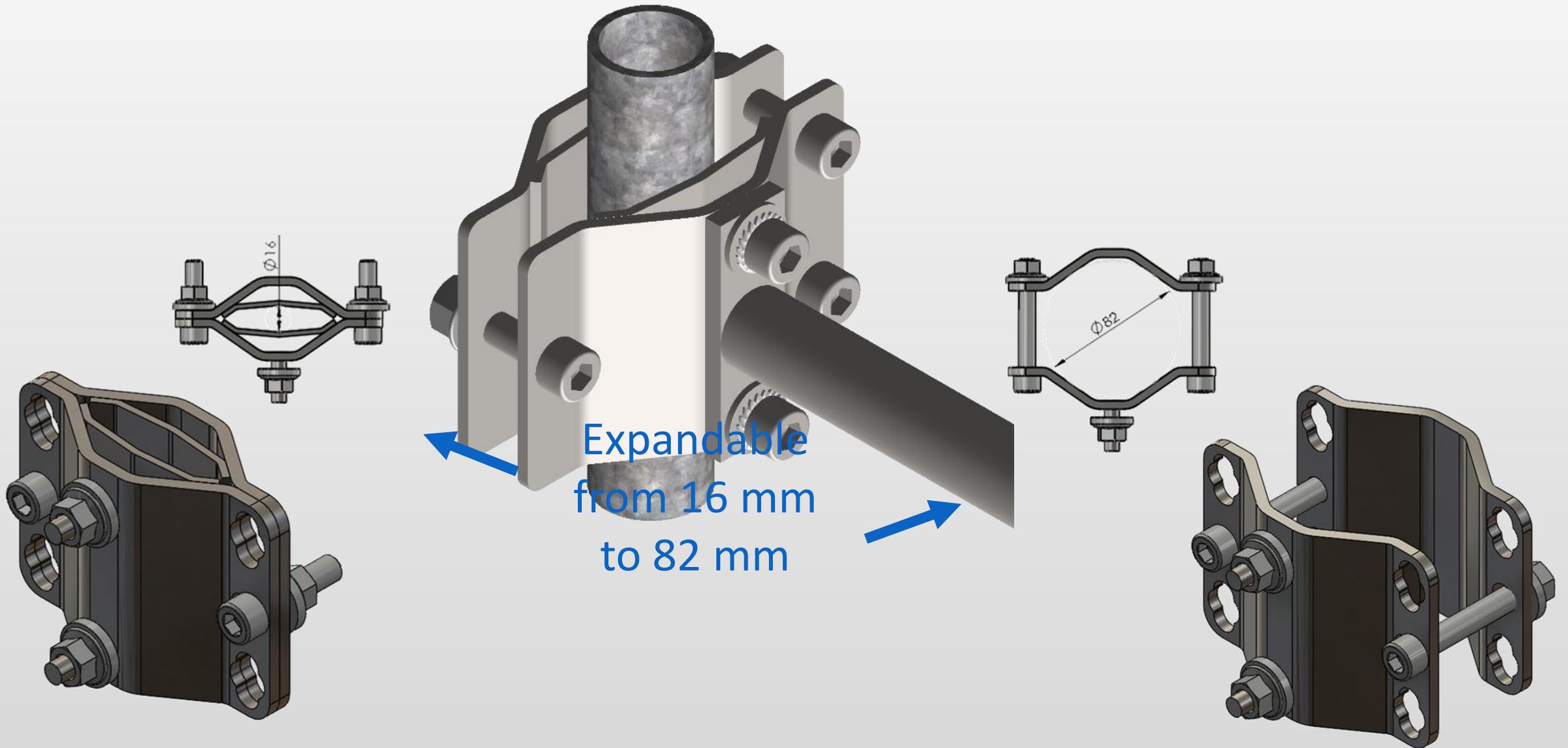
Ultra robust & zero-maintenance instrument



No moving parts

Full, sealed, heavy
stainless steel
& aluminum
body and structures

Universal V-bracket mounting

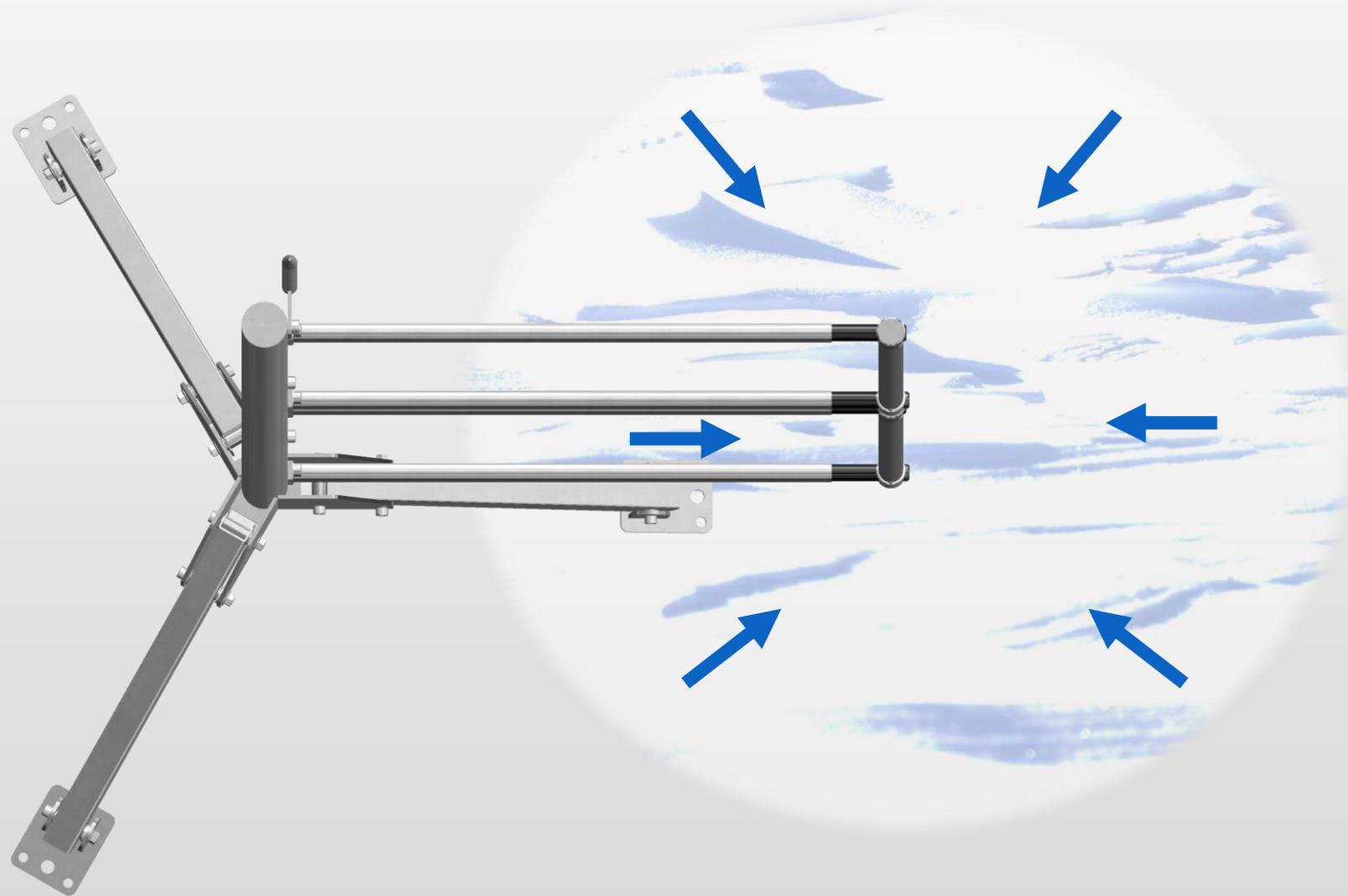


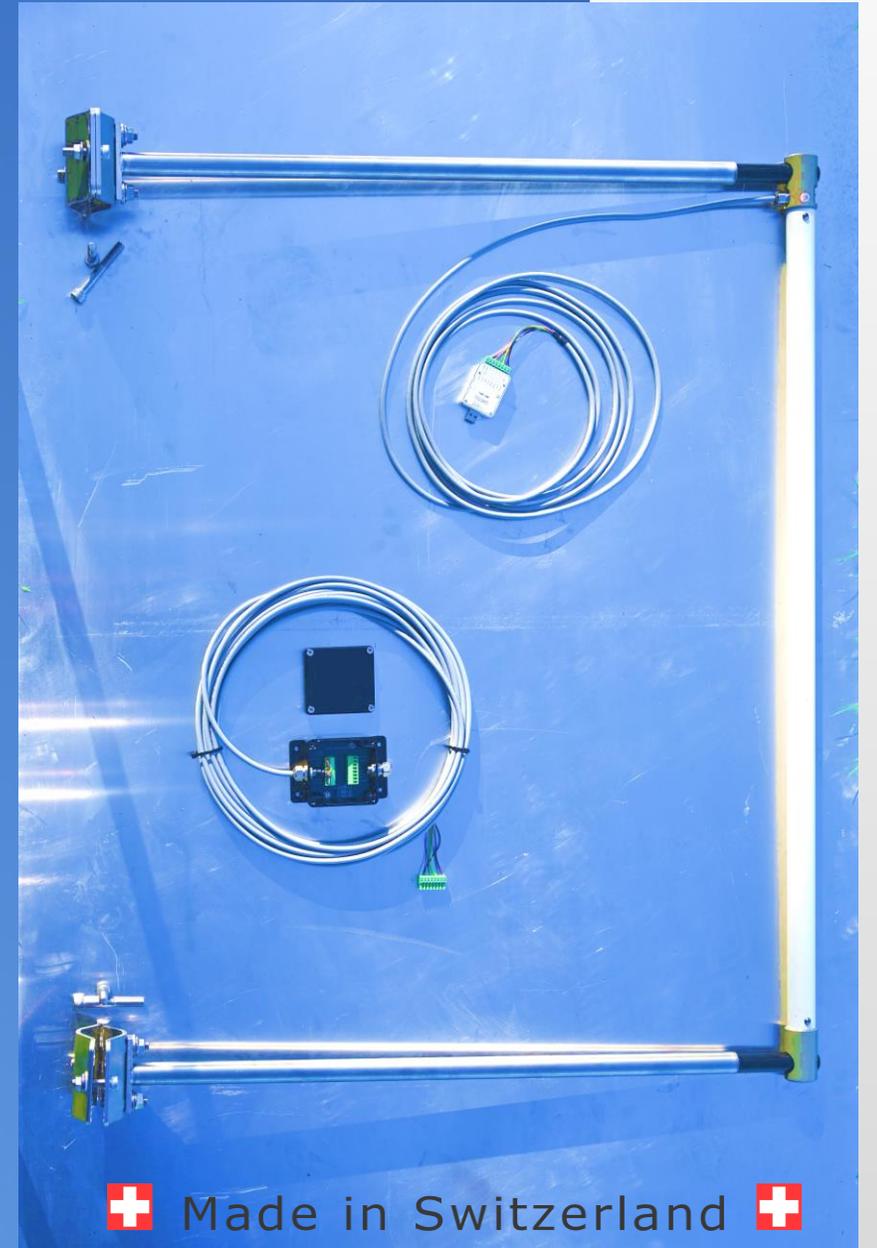
Lifetime calibrated sensing body



921 mm length and 32 mm outer diameter coated aluminum tube

Omnidirectional wind instrument



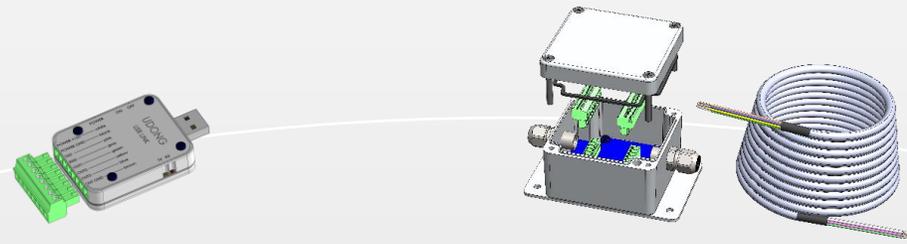


🇨🇭 Made in Switzerland 🇨🇭

Resists to the harshest environments



Interfacing the sensor



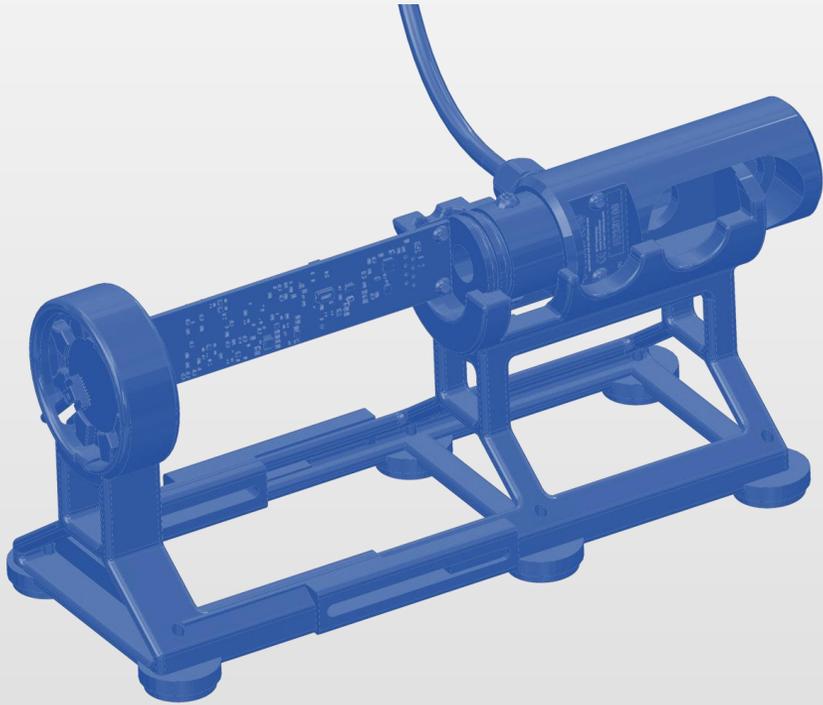
**Universal analogue & digital
communication interface**

... | Serial COM | SDI-12 | Analog 0-5V, 0-2.5V, Pulse | 4-20 mA
| RS-485 Modbus RTU | SCADA | BMS | IoT Transceivers | FTDI
Windows | Linux | RASPI | ...

Immediately connectable to almost **any external
electrical interface, information system**



Traceability and calibration declaration



Individual factory
calibration

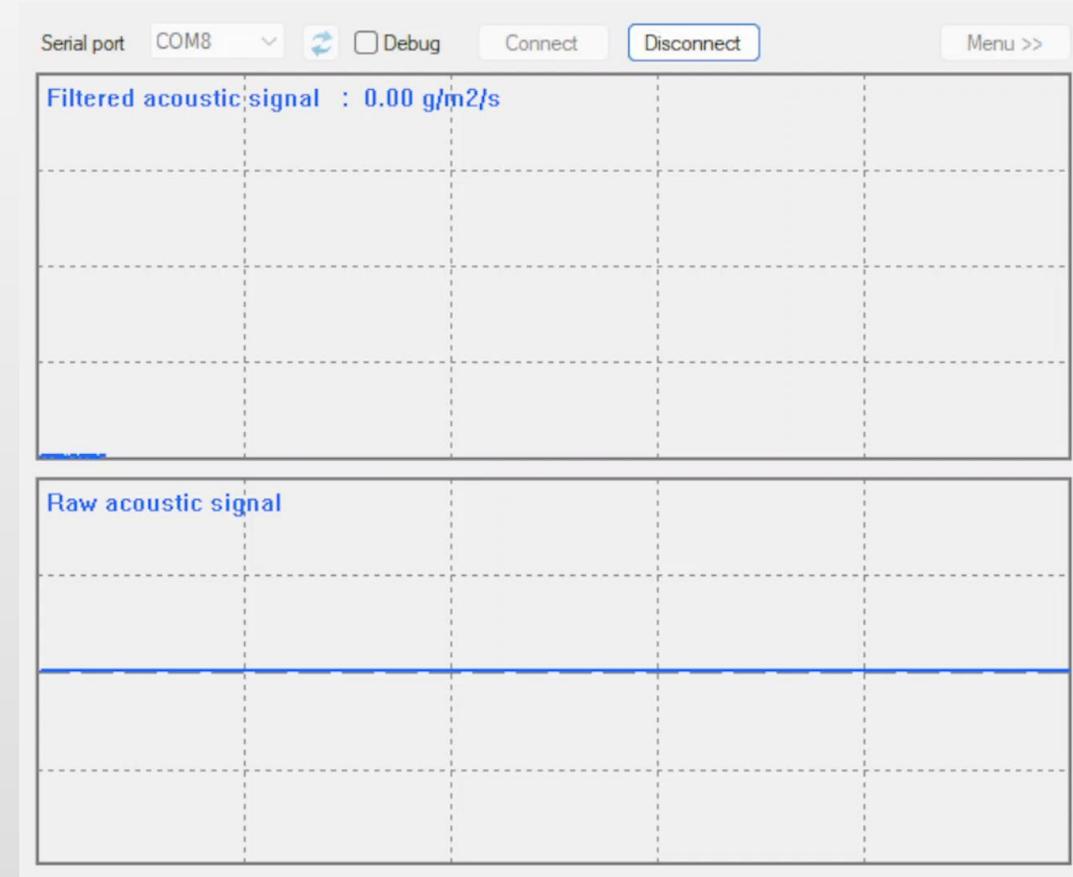
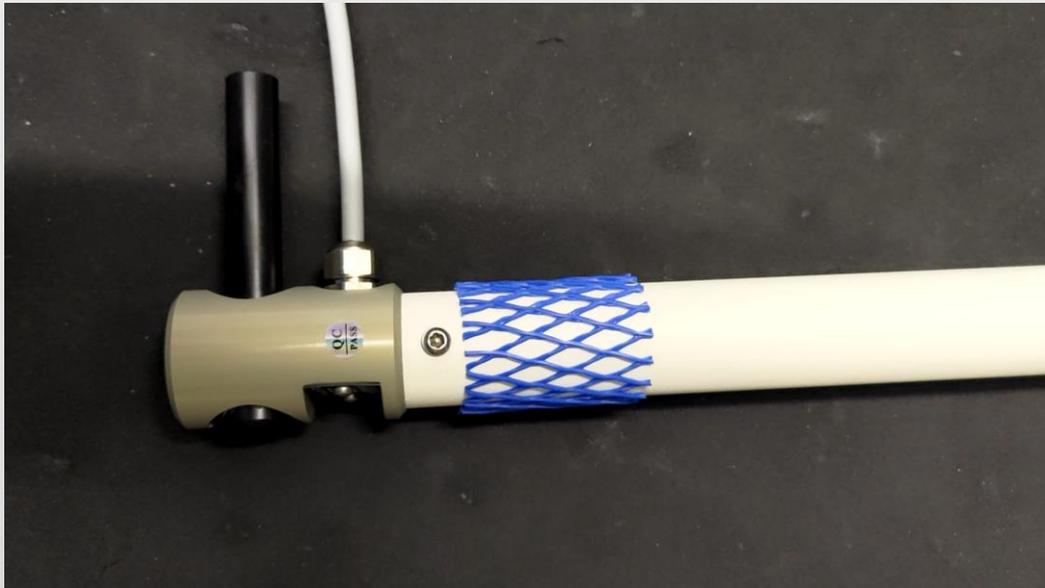


Calibration
certificate
provided for
each unit

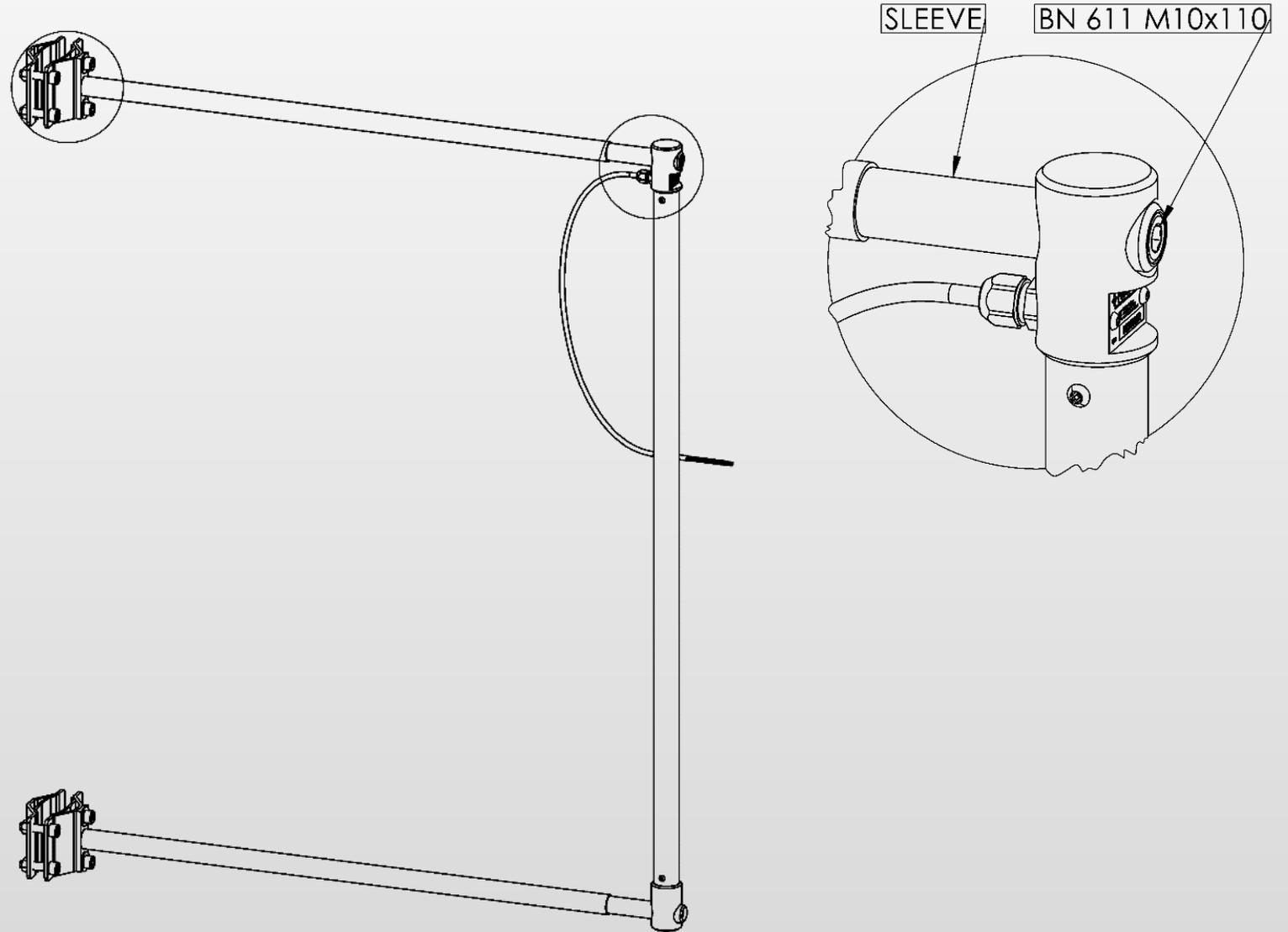
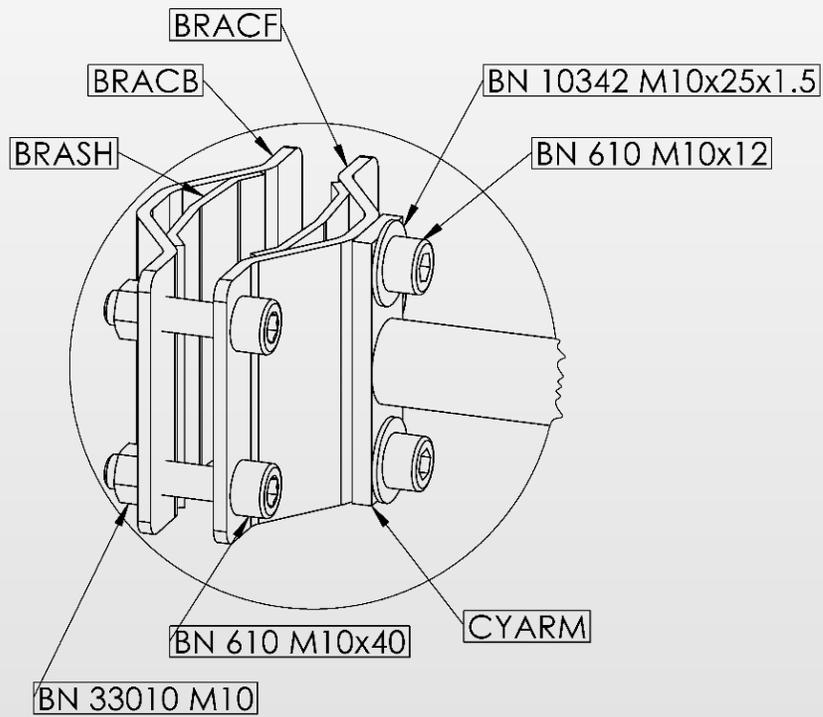
Fast & easy field check

Friction noise:

The **sensor (and reading chain)** can be checked at any moment by **gently scratching it with your fingernail or a metal tool**

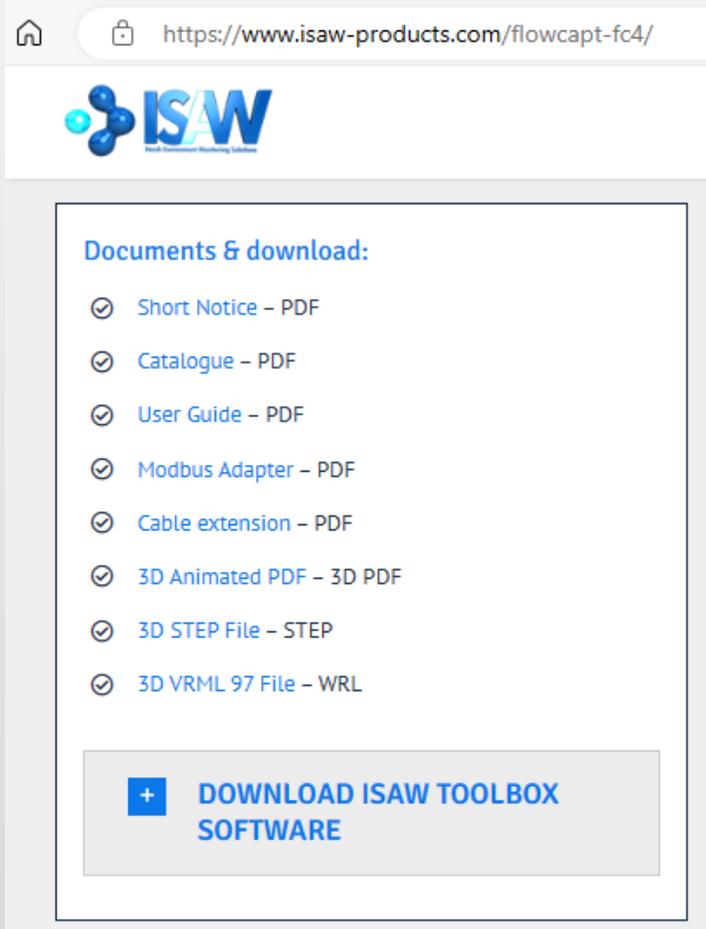


Repairability: very long-term availability of spare parts



Integration in your project

All the necessary resources are available on **one** online page



The screenshot shows a web browser window with the URL <https://www.isaw-products.com/flowcapt-fc4/>. The ISAW logo is visible at the top. Below the logo, there is a section titled "Documents & download:" containing a list of resources:

- Short Notice – PDF
- Catalogue – PDF
- User Guide – PDF
- Modbus Adapter – PDF
- Cable extension – PDF
- 3D Animated PDF – 3D PDF
- 3D STEP File – STEP
- 3D VRML 97 File – WRL

At the bottom of the list, there is a button with a plus sign and the text "DOWNLOAD ISAW TOOLBOX SOFTWARE".

Documents

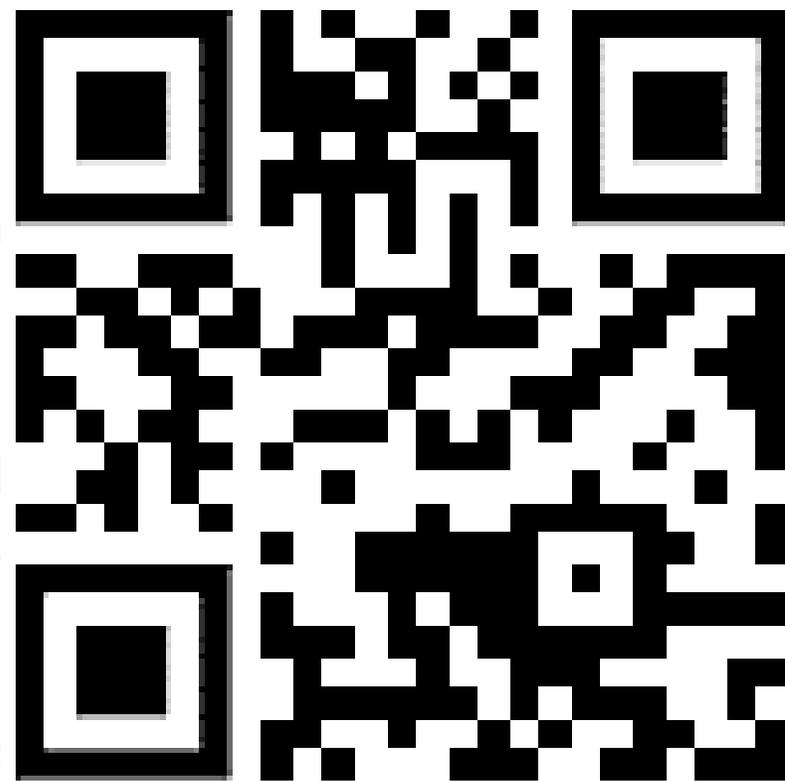
3D CAD

Utility software



FLOWCAPT

Contact | In
We have w



ce | **Support**
artners for

Sen
or

[v.ch](#)
04

*We are the c of the sensor.
We will answer and guide you in your process.*

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