

Case study

Weather Widget for Papago Weather Station enriched our gallery of elements

Mission

CamStreamer was tasked by a client to develop a **weather widget** for an AXIS camera that would display information such as **wind speed, wind direction, humidity, dew point, and temperature**. Weather information for the widget is sourced from **PAPAGO Meteo ETH, an industrial weather station** developed by [Papouch](#). The purpose of the widget is to give **real-time weather information to sailors and navigators as a graphic overlay on a PTZ camera**.

Solution

[PAPAGO Meteo ETH](#) is connected to an [AXIS P5655-E PTZ dome network camera](#) via IP address. We developed an **micro app** for [CamScripter App](#) that processes **meteorological data collected by the weather station**. The information is displayed as a **live stream with a custom-made graphic overlay** created with the help of [CamOverlay App](#).

“The interesting thing about this project is that everything works thanks to CamScripter App and [CamOverlay App](#), which runs on a single camera capturing the scene,” explained Filip Hanek, Product Manager for CamStreamer.

List of Supplies

Hardware:	P5655-E PTZ
	PAPAGO Meteo ETH
	Anemometer for PAPAGO Meteo
	TH3: Temperature and humidity sensor
Software:	CamStreamer App
	CamOverlay App
	CamScripter App



Result

With this weather widget, we created a **way to process and display locally collected weather data in a live stream with minimal hardware and software requirements**: all you need is an AXIS camera, a Papouch weather station, CamScripter App, and CamOverlay App.

When asked about the benefits of using CamStreamer apps for this project the client responded with: **“We value the flexibility, licensing model, customization possibilities, CamStreamer team’s know-how, and user-friendliness.”**

About PAPAGO Meteo ETH

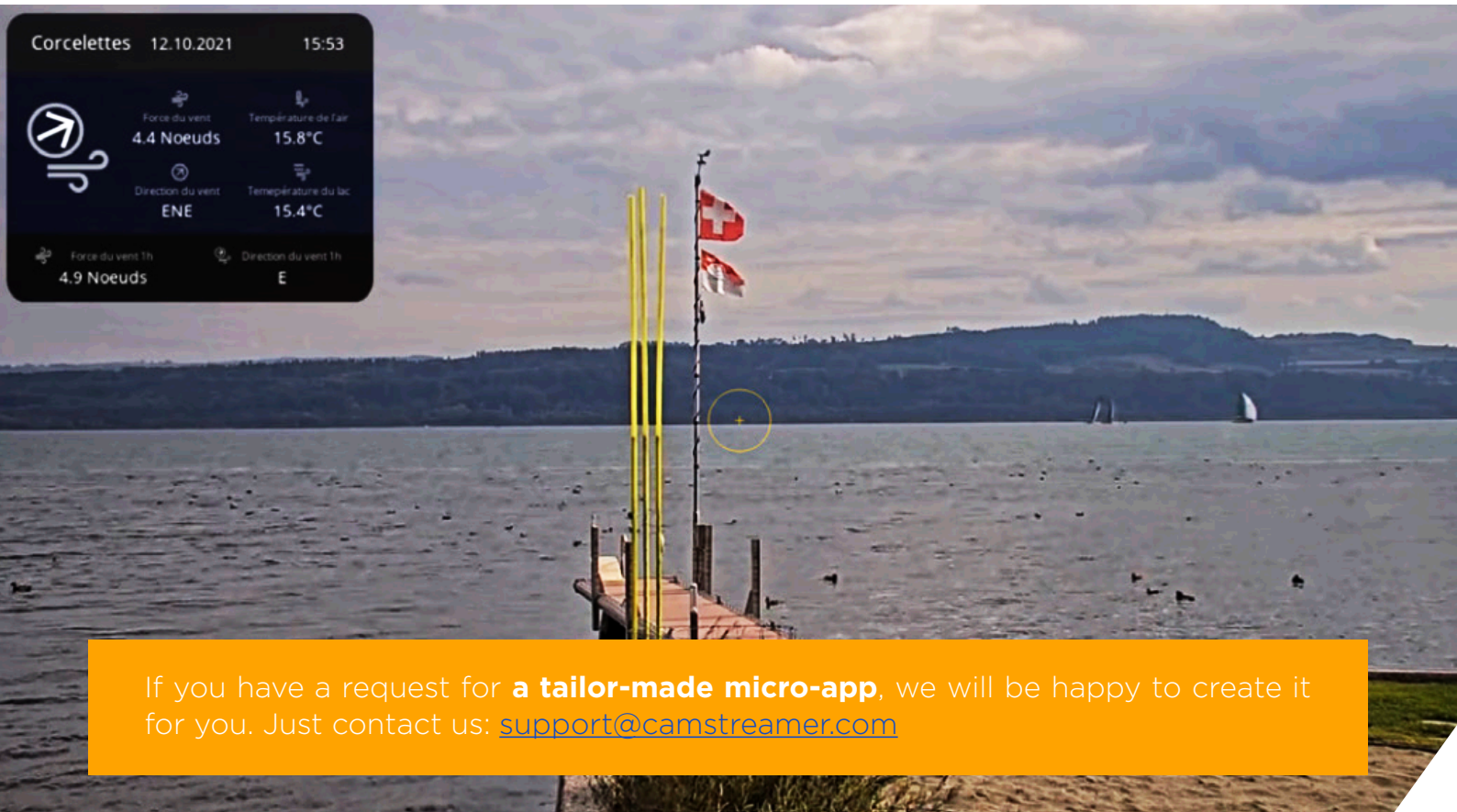
Papago Meteo ETH is a **weather station** that can measure **temperature, humidity, dew point, carbon dioxide (CO2) concentration, wind speed, and wind direction**.

The weather station collects data based on what sensors are connected to PAPAGO Meteo ETH: temperature sensor, combined sensor (measures temperature, humidity, and dew point), CO2 sensor, and wind speed and direction sensor. **Current meteorological data** can be **extracted** from the weather station as an **XML file**.



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If you have a request for **a tailor-made micro-app**, we will be happy to create it for you. Just contact us: support@camstreamer.com