

Offshore cranes: main hoist load visualization

About the project

[Huisman Equipment](#) is a global company that specializes in **designing** and **building** heavy construction equipment. The company, in their constant strive for **innovative new solutions**, have successfully completed testing the possibility to display the main hoist load of a crane on **CCTV**.

Arjan Degenaar from [Huisman Equipment](#) explained the main idea behind this project: “the operator has the most **defining indicator** available while looking at the CCTV screen of the main hoist.” This successful end product was visualised through the use of an [Axis camera](#) in combination with [Camstreamer applications](#) and a specifically developed **micro application**.

Technical solution

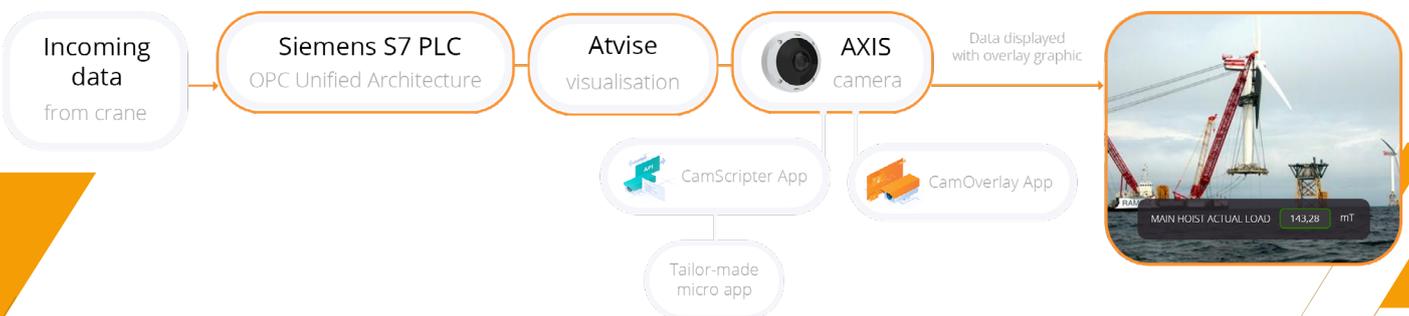
Huisman Equipment utilizes **OPC Unified Architecture** (OPC UA): a machine-to-machine **communication protocol** for industrial automation. Degenaar described the particular technical setup for this project: “We make big offshore cranes. Most **control aspects** are done with [Siemens S7 PLCs](#) which have an OPC UA server running on the **PLC**. We communicate with the PLC with our **atvise visualization**.”

This visualization can itself be a **third-party interface** OPC UA server supplying data to the camera. Within this **CCTV AXIS camera** is the [CamScripter App](#) we have gotten from [CamStreamer](#) which displays the main hoist load on the camera screen.”



| | |
|--------------------|-------------------------------------------------------------------|
| Camera model | AXIS M3058-PLVE |
| ACAP applications | CamOverlay App CamScripter App |
| | Tailor-made micro app |
| Streaming platform | Internal CCTV stream |
| Location | Netherlands |

How it works



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The result

By combining our **existing applications** with a custom-developed **micro application** CamStreamer has shown the flexibility of their apps and the ability of the dev team to respond to **new challenges** and fulfill clients requirements.

The result is a **custom solution** that can be used for various offshore projects including building **offshore windmills**. "I'm happy our dev team was able to meet the **client's needs**. This project is another success for us and we're looking forward to the next challenge," said Filip Hanek, the Product Manager of CamStreamer.



camstreamer.com/resources/offshore_cranes