

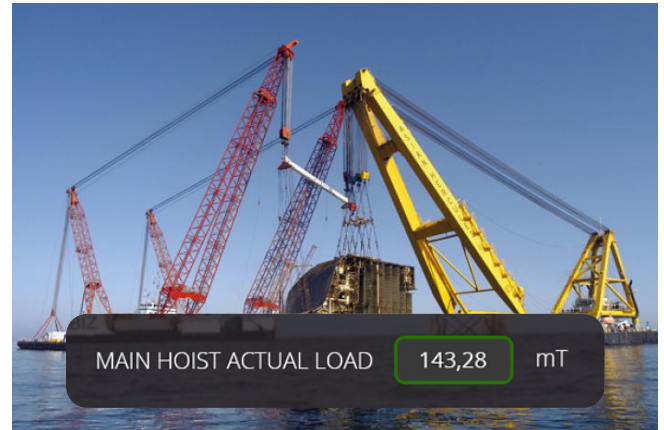
Case study

Offshore Cranes: Main Hoist Load Visualization Live in Video

Mission

[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**.

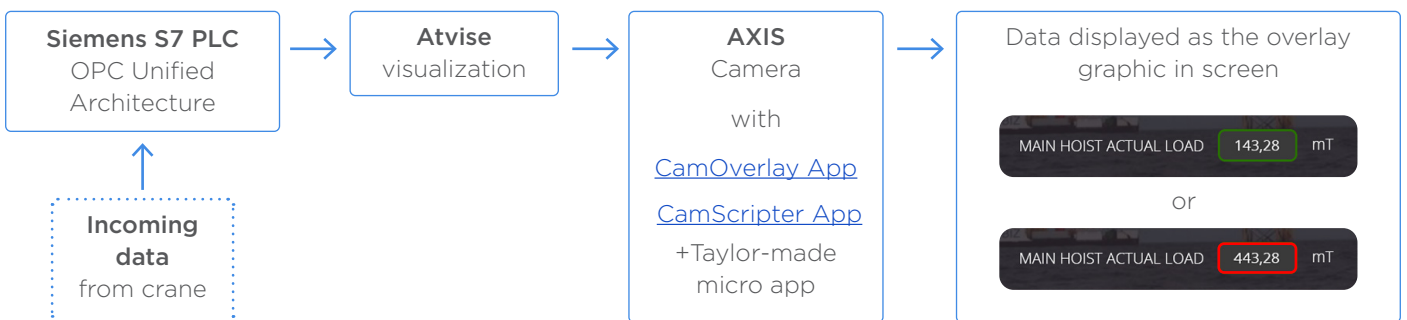
Arjan Degenaar from [Huisman Equipment](#) explained the main idea behind this project: “the operator has the most **defining indicator** available while looking at the CCTV screen of the main hoist.” This successful end product was visualized through the use of an [Axis camera](#) in combination with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



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.”



Case study

Offshore Cranes: Main Hoist Load Visualization Live in Video

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.

Hardware:	AXIS camera
	Siemens S7 PLCs
Software:	CamOverlay App
	CamScripter App
	Taylor-made micro app

camstreamer.com/resources/crane-hoist-load

