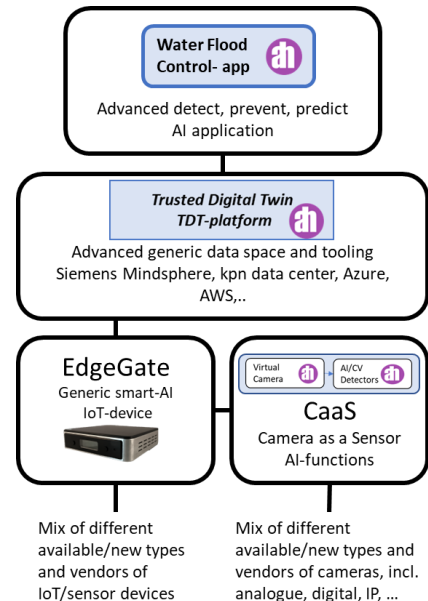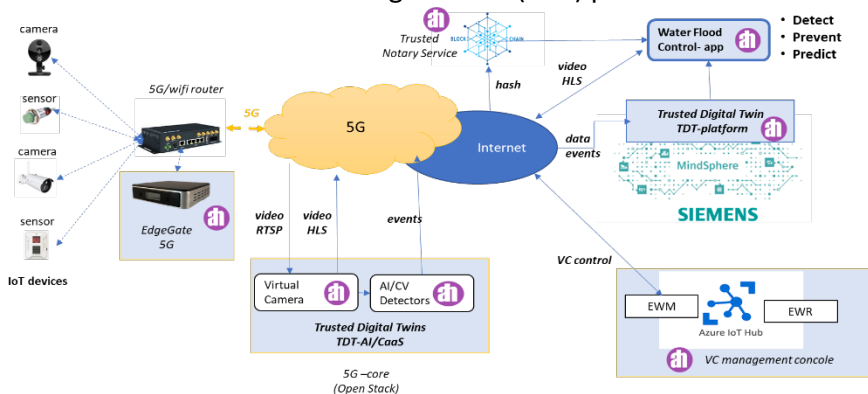# Pushing trusted IoT-digital twins and 5G connectivity to the next level

AccessHub is a Dutch scaleup based in the Hague and is developing solutions for trusted data governance and communications. Currently, we are working on the Water Flooding Control solution which is based on our Trusted Digital Twins framework. This solution helps stakeholders like responsible organizations and authorities of different levels as well as industrial companies to use already available and even legacy equipment like video cameras and sensors as trusted data sources for the detection of coming events and disasters like water flooding, snow storms, fires and industrial emissions. Also, our solution can predict events using historical and real-time data collected from different locations. And finally, our solution can initiate different protection activities like alarms, warning messages, and control of the protection equipment. Important to say that all data collected and used by our system have up to 4 levels of trust including digital signatures, blockchain records and ownership tokens.

As part of the challenging 'DoIoT-5G Kansen voor West' Fieldlab initiative AccessHub will start to implement their innovative Trusted OT (Operational Technology)-Water Flood Control (WFC) solution at The Green Village and VPDelta, the famous TU-Delft water management Flood of Holland fieldlab. This advanced solution successfully integrates innovative 5G-mobile network features within their Trusted Digital Twin (TDT) platform. TDT combined with their trusted

sensor/actuator connectivity edge gateways including innovative camera as a sensor AI-capability, even supporting older analogue cameras, provides 4 enhanced trust levels to the platform. TDT offers advanced data spaces for innovative OT-applications.

Their first implementation, the Water Flood Control application (WFC), offers advanced functionality to detect, prevent and predict potential hazardous water flood situations for municipalities, waterboards and others.

The generic AccessHub Trusted OT-solution can also be applied in a wide range of other OT-challenges, like advanced trusted traffic management, crowd control, smart cities, smart lighting and more. AccessHub will present their WFC-solution at the MWC conference in Barcelona end of February. AccessHub is partner of the HSD, Siemens and kpn.