Dutch IT Channel, Netherlands, Cognizant's Chief Technology Officer Outlines Key Considerations for Deploying Cyber-Physical Systems

Excerpts from Dutch IT's article:

"Advancements in analytics, AI, and communications are opening up new avenues where machines can function intelligently and interact with their physical environment. These new and emerging systems of intelligence that are engineered to integrate computation (cyber) and physical components seamlessly are called Cyber-Physical systems (CPS). Cognizant and TU Delft are investigating the potential of the technology and how it can be implemented in practice.

They can deliver transformative capability and automation through an interplay between machines, sensory devices, embedded computational intelligence and other communication mechanisms. CPS are creating the building blocks for the next generation of industries and are already making an impact through a number of applications such as smart appliances, smart vehicles, smart grid and smart robots.

Given the impact every industry will feel from CPS, how should industries go about deploying them? Cognizant outlines six key considerations for designing and deploying CPS:

1. Mapping and monitoring the device ecosystem.
2. Adopting a use-case driven approach.
3. Modelling, simulation and piloting in controlled environments.
4. Developing an architecture that is scalable.
5. Designing for human interventions and over-rides.
6. Robustness and privacy considerations."

Click here to read the full article in Dutch.

https://news.cognizant.com/2019-04-09-Aan-S-Chauhan-Outlines-Key-Considerations-for-Deploying-Cyber-Physical-Systems