

JANNE NIEMINEN 2019-07-16

ABB System Drives

5G smart video analytics



ABB 5G smart video analytics Industry4.0 USE CASE PILOT

BENEFITS

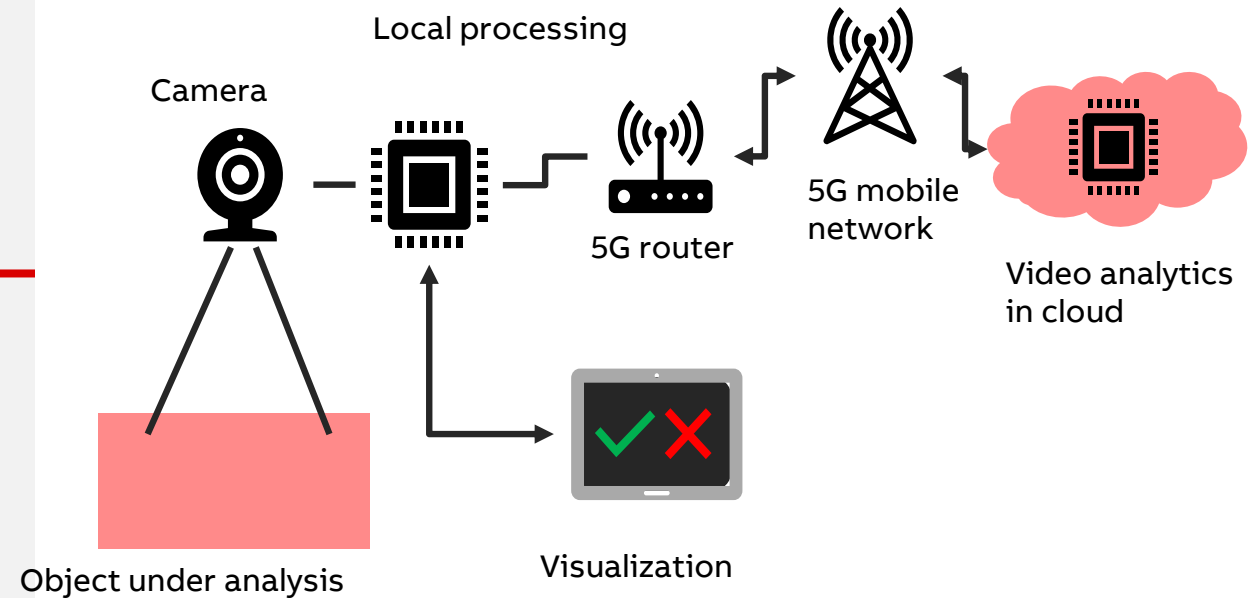
- Industrial quality assurance, reduce operator mistakes in assembly work to reduce warranty claims
- Detect and correct errors when created to reduce operation costs

WHAT?

- At workstation: High quality cameras, visualization GUI
- 5G connection for high bandwidth and low latency
- Light local processing for camera driver and visualization engine
- High quality video image processing in cloud and error detection.

WHY 5G & cloud?

- 5G for scalability to multiple stations
- 5G wireless connection enables production layout design flexibility – smart and flexible production!
- On demand basis usage of processing power via cloud – reduced amount IT HW at workstations
- Scalability, simple & fast rollout of updates via cloud to multiple stations
- Cloud enables easy interface to EMS systems



World's first industrial application utilizing 5G and AI adopted at ABB drives factory in Helsinki



https://new.abb.com/news/detail/25464/worlds-first-industrial-application-utilizing-5g-and-ai-adopted-at-abb-drives-factory-in-helsinki?utm_campaign=589d5c88d4dbac372704cbdf&utm_content=5d073043fc3462001dda8c5&utm_medium=smarpshare&utm_source=linkedin

<https://www.youtube.com/watch?v=AKK0TfbyJ1E>

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