

SMART PRODUCTION - IOT IN FORESTRY

FIFTH GENERATION TECHNOLOGY STANDARD
FOR BROADBAND CELLULAR NETWORKS

AI08 - BRAIN

4th/GEN
host device ID: 2569ch
extended CPUID: e568c10

CAN IOT **IMPROVE** THE WORK ENVIRONMENT IN FORESTRY?



skogforsk

Forestry
Research
Institute of
Sweden

HARVESTING THE FOREST

- HARVESTERS ARE LOGGING THE TREES
(THE MODERN CHAINSAWS)
- FORWARDERS WILL DRIVE THE LOGS TO A ROAD
- LOGS ARE PICKED UP BY TIMBER TRUCKS



WORKING AS A FORWARDER

- HARD ON THE BODY
- WORKING ALONE
- EXPENSIVE MACHINERY
- HIGH RISK OF INJURIES
- HARD TO ATTRACT NEW GENERATION



IOT POTENTIAL

- REMOTE OPERATION
- WORKING TOGETHER
- CUT COST FOR MACHINERY
- REDUCE RISK OF INJURIES
- COMPLETELY NEW WORK-ROLE

5G POSSIBLE SOLUTION?



NO 5G COVERAGE?



PRIVATE 5G NETWORK!



DRIVE REMOTELY



A woman with long brown hair and bangs is smiling at the camera. She is wearing a brown hard hat, a black jacket with a fur collar, a grey and white patterned scarf, and a bright orange safety vest. She is standing in front of a large piece of construction machinery, possibly a bulldozer, which is partially covered in a black tarp. The background shows some trees and foliage.

IOT CAN

- REALLY IMPROVE WORK LIFE
- BENEFIT BOTH HEALTH AND COST