5G Ride – May 18th

KÖRSCHEMA

- FILM 2020 2.39

SLIDE 1
Eleonor 2 min
Konsortiet – projektparter (och delfinansieras av Vinnova) hur vi växt ELEONOR 2 min
…and the focus during 2021 was safety on board and fine tuning the function of driving the AV from the traffic tower.

Anders 1.30 min
Vilka funktioner ombord och hur de fungerar

Stig 1.30 min
Trafiktornet – vad vi utvecklade och möjliggjorde

- FILM 2021 1.54

SLIDE 2
Eleonor 2 min
- Varför Future 5G Ride – vad bidrar vi till ? (Säker och hållbar resa)

SLIDE 3 Vad levererar vi samt use case
Anders 2 min
självkörande fordon och AI (Säkerhet)

STIG 2 min
5G, Sensorer och Trafiktorn

SLIDE 4
FOCUS 2022
STIG 2 min
Sensorer, 5G och Trafiktorn

FILM

- Film1 https://www.youtube.com/watch?v=HFqgKgnltwk

VINNOVA
Sweden's Innovation Agency

5G RIDE

ERICSSON

keolis

intel

T-engineering

viscando

Telia

SCANIA

Urban ICT Arena

KTH VETENSKAP OCH KONST

Region Stockholm

FILM

- Film 2 https://www.youtube.com/watch?v=fHizoJQ5txw

5G RIDE

What does the project contribute to, next step?

Efficient and connected transport system

RIGHT RESOURCES
at the right place. Traffic authorities and traffic operators can plan resources according to actual needs.

SECURITY
for passengers on board and other road users.

ENVIRONMENTALLY ECONOMIC and SAFE
The vehicle can adapt speed and route based on traffic situation and needs. A smooth traffic flow creates both lower energy consumption, safer traffic and a more pleasant experience.

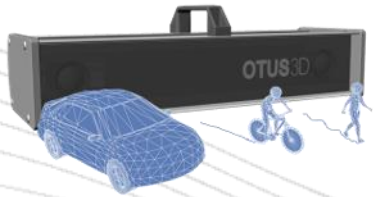
5G RIDE

What does the project deliver, next step?

ROBUST CONNECTION
5G provides the ability to send large amounts of data in real time, and can ensure that necessary information can be shared with the right recipient at the right time. New and improved technical capabilities, such as accurate positioning, also enable the vehicle's understanding of its and those around it's perception of the situation.

AUTONOMIC VEHICLE
Connected and can receive and send information, video and sound, to and from the traffic tower. Can make their own decisions and receive commands. Can always stop in situations that vehicles or traffic towers cannot perceive.

TRAFFIC TOWER
Assisted driving and passenger support, monitoring and alarms to rescue service. With autonomous vehicles and traffic towers, the professional role is changing. The project analyses , by researchers, how to work to ensure that this professional role contributes to an equal workplace.



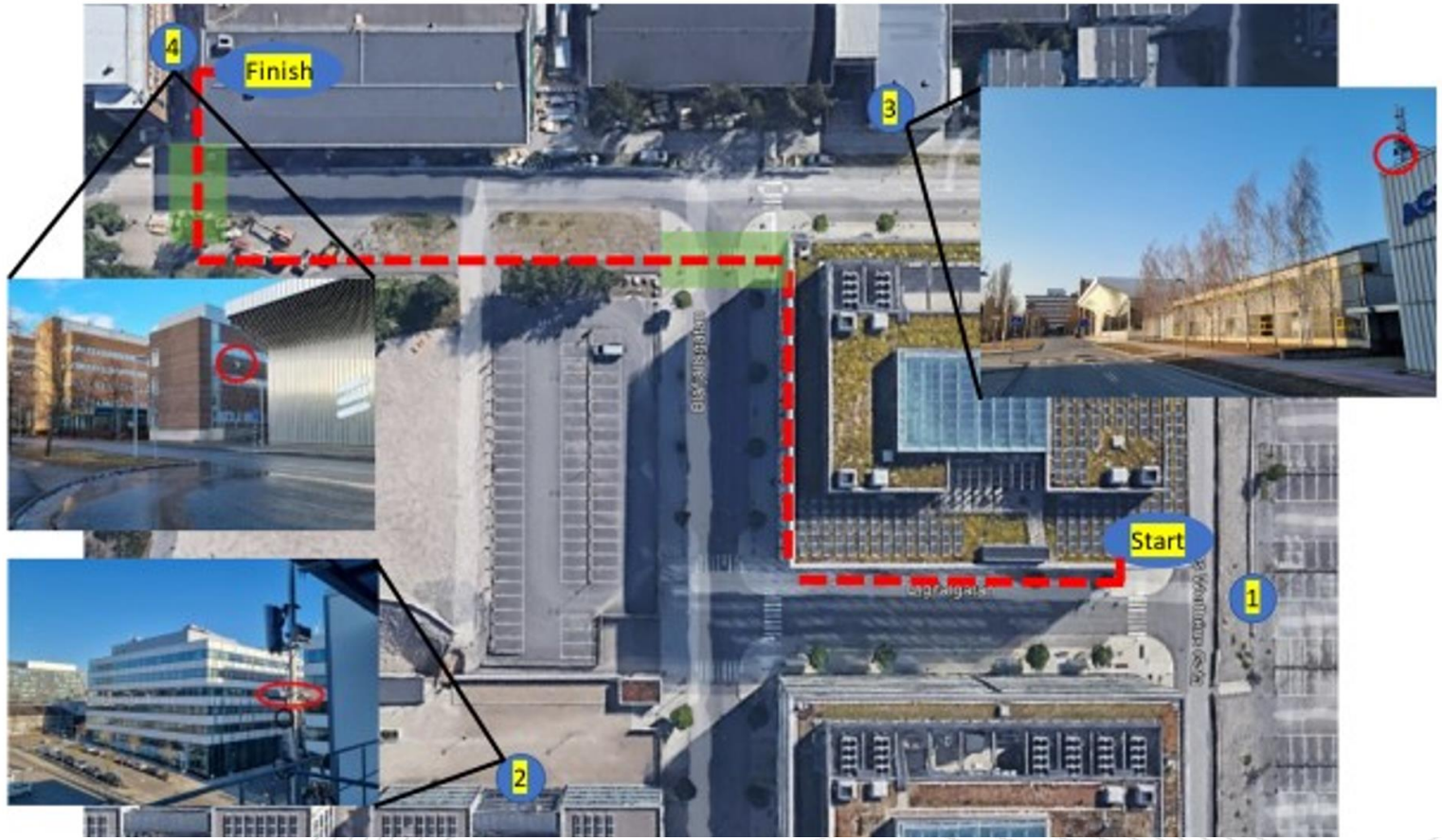
SENSORS IN THE INFRASTRUCTURE
analyses the environment, traffic situation and other road users and identifies their next step. The analysis takes place in the sensors and the results are sent to the vehicle in real time.

TECHNOLOGY THAT SUPPORTS SECURITY
With the support of AI, the project identifies unforeseen events on board such as a sudden illness, assault or forgotten bag. Alarms is automatically sent to the traffic tower where the operator can take on the right action. The security increases the conditions for equal travel and the project analyses, by researches, what influences a safe journey.

5G RIDE

Focus 2022

Smart sensors in infrastructure



5G RIDE

Focus 2022