



Yunex Traffic Connected Update

TTF SPATULA - 18th May 2022

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YUNEX
TRAFFIC

A Siemens Business

Midlands Future Mobility – Integration, Innovation, Maintenance

Integration of 79 V2X RSUs (ITS-G5) - Commsignia, Yunex, NeoGLS

Yunex introduced a unified IoT interface common to all 79 V2X RSUs

Yunex developed the IoT cloud data-broker with MQTT and IF2 interfaces

Yunex deployed several V2X RSU (ITS-G5) GLOSA sites

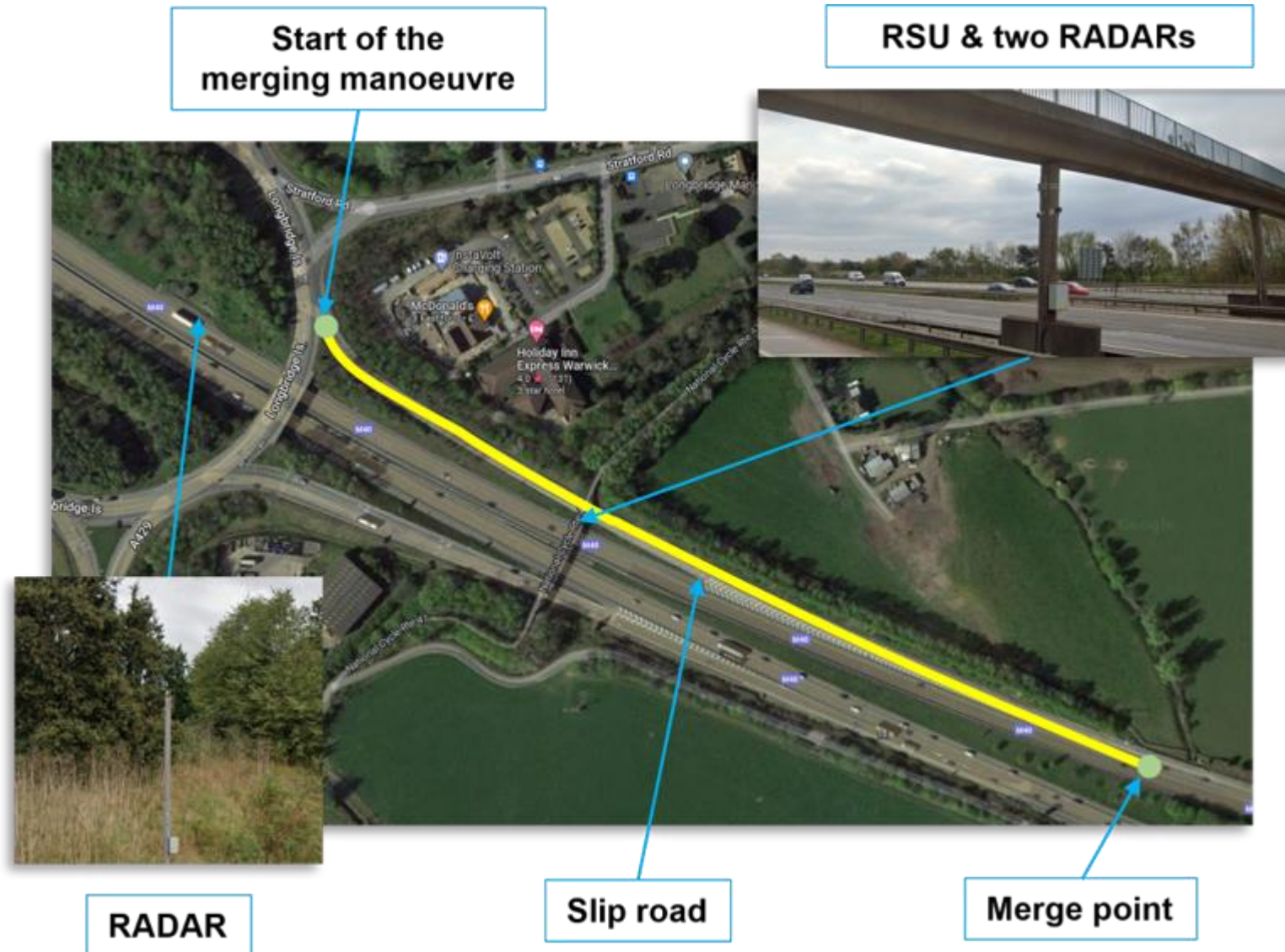
V2X messages supported: IVIM, CAM, DENM, SPATEM, MAPEM, (CPM)

Additionally; Sicore II (21), Zephyr® (14), GNSS base/rover (3), Vaisala (2), CPM roadside systems (2), 5G site (1), 5G awareAI smart camera (1)

Long-term maintenance - Yunex Service Operations Centre



AutopleX – Connected and Autonomous Collective Perception



Consortium



Innovate UK supported this 3+ year project
Yunex designed & proved the roadside V2X (ITS-G5, ETSI CPM) sensor-fusion system

2 sites - M40 J15, Coventry ring road

Access to Yunex data lake for partners

Successful merging trials at M40 J15

Yunex sensor fusion / V2X – use case: Collective Perception



CAVForth (Scotland)

Deployment of three ITS-G5 MAPEM/SPATEM sites

SPATEM / MAPEM as additional 'sensor' input

