

Alesund Airport

102

A Digital Twin

Ålesund NOISE EXPOSURE TRAFFIC •

+ ADD LAYER

Ivar Aasens gate

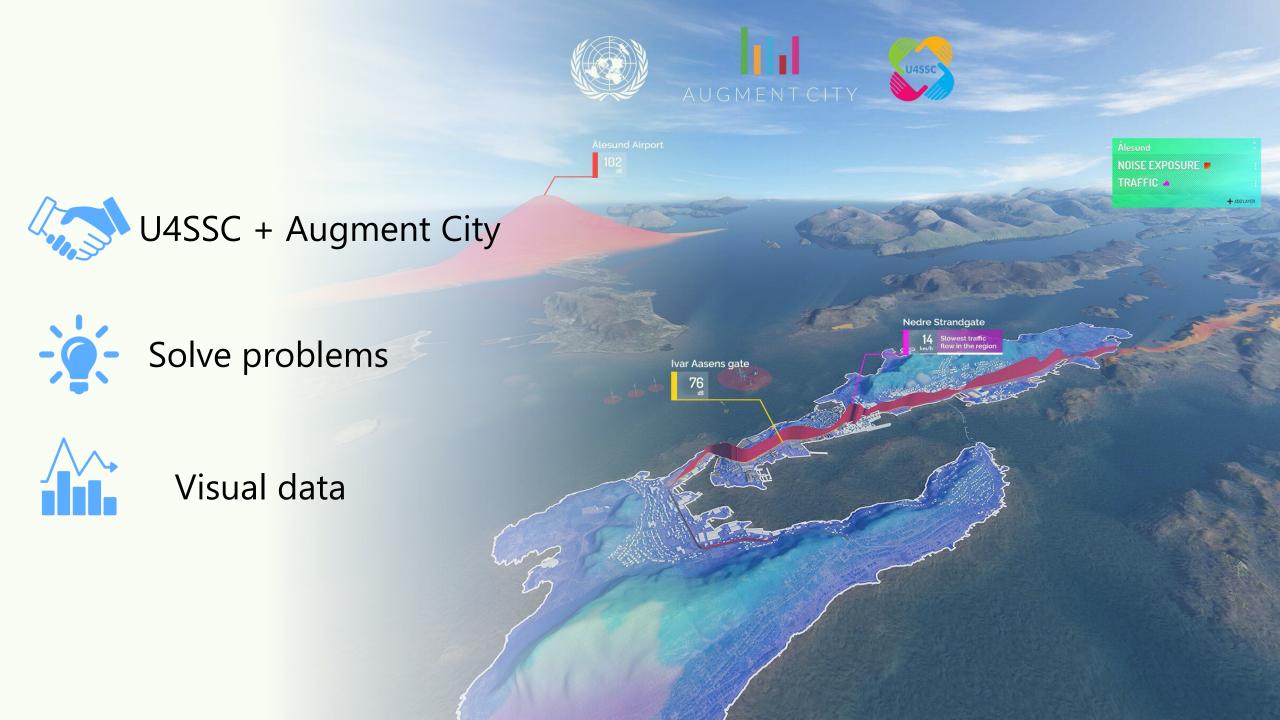
Nedre Strandgate

14 Slowest traffic km/h flow in the region

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The key to the Digital Revolution

and

The key to us meeting our

Data and machines

to



How can we reach the Paris agreement for our cities?



DO YOU KNOW what CO₂ your City is producing each day?

NO... Neither <u>did</u> we.

How can we get to carbon neutral When we do not know where we are today?





Build Analyze Digital twin Control



Where are we today with CO₂

Assumptions:

- Over 99% of the electricity production in mainland Norway is from hydropower plants. hydro/renewable – No CO2
- Most CO2 in Ålesund comes from
 - Road based vehicles, Lorries, Buses, Van, Cars etc. and Traffic
 - Airplanes





How did we measure CO₂



......

Number Speed Length Engine type 个

Number Type Distance

Route

> Number Type Status

> > Area



Carbon and carbon capture



Demo



Digital twin of Aalesund city, with daily air, ocean and land traffic routes showing.

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Geiranger Norway.



2018-07-15 T00:00





