

12.05

2022

VUCA

STEVEN LATRE

UNCERTAINTY

COMPLEX

VOLATILITY

AMBIGUITY

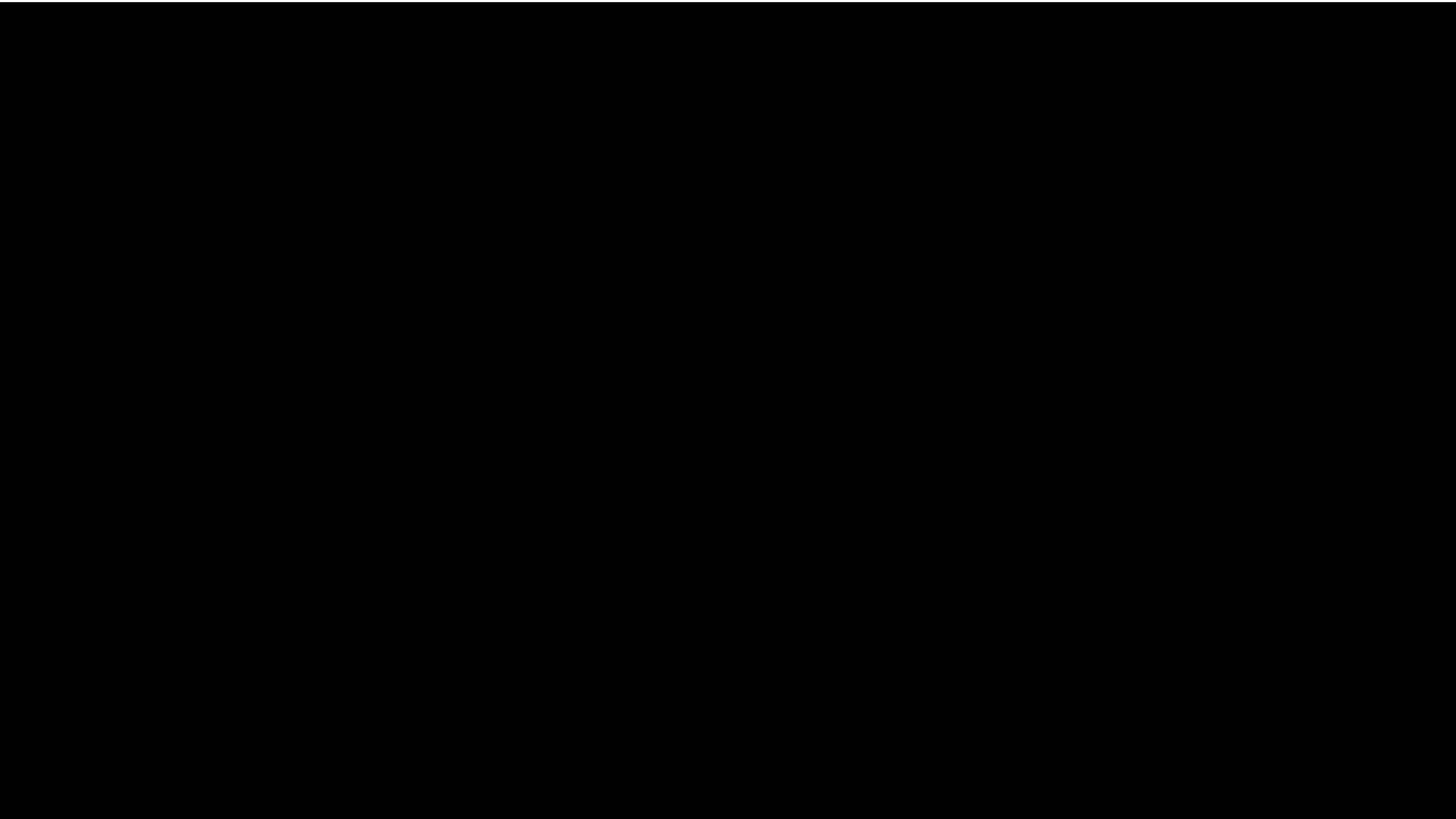


imec

**5+ JAAR CITY OF THINGS
VAN 1 SENSOR NAAR
GROOTSCHALIGE OPLOSSINGEN**

STEVEN LATRE
STEVEN.LATRE@IMEC.BE





WAT IS ER ANDERS?

SCHAAL

5G & INTERNET OF THINGS

CENTRALISATIE

DIGITAL TWINS

INZICHTEN

AI & DATA PLATFORMEN

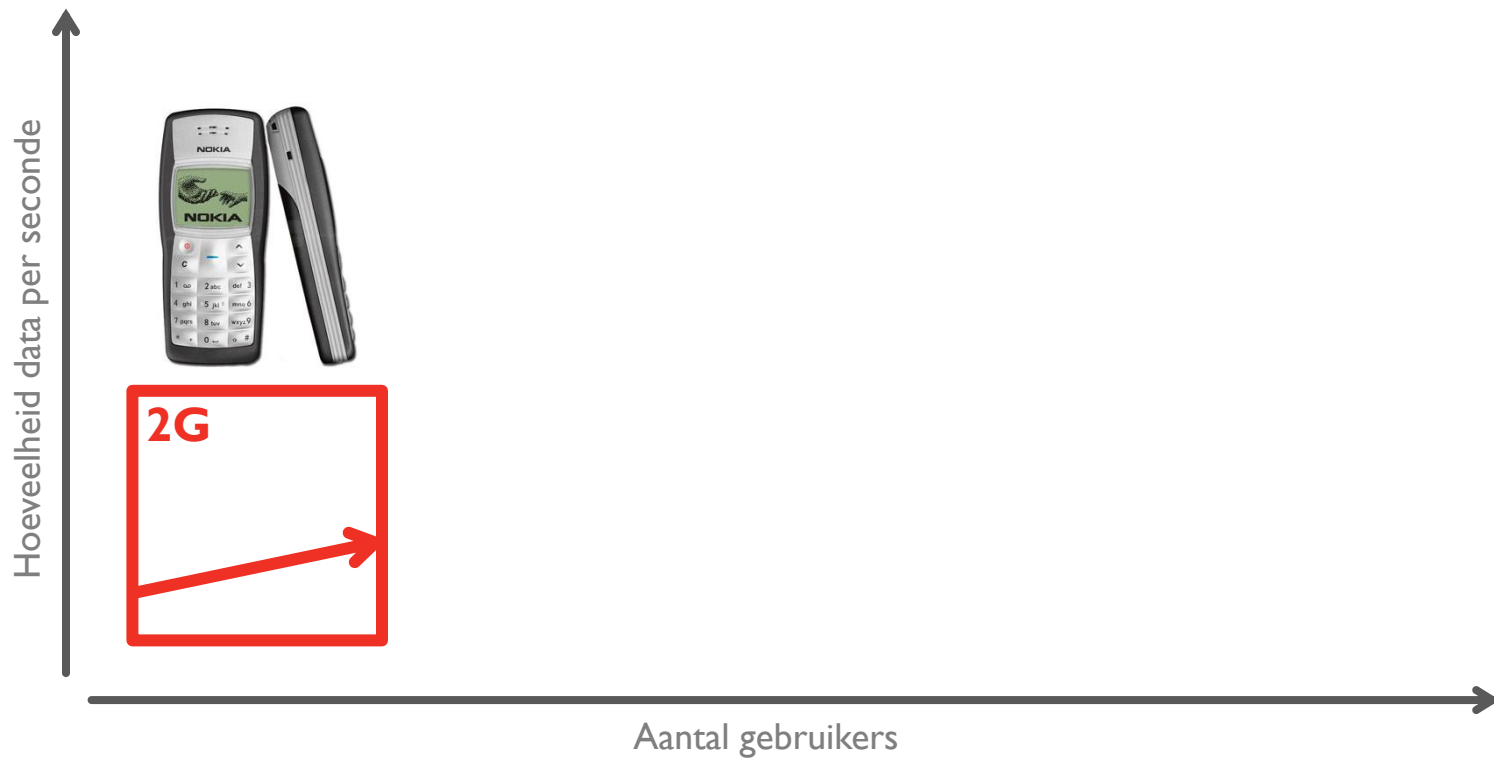
SCHAAL

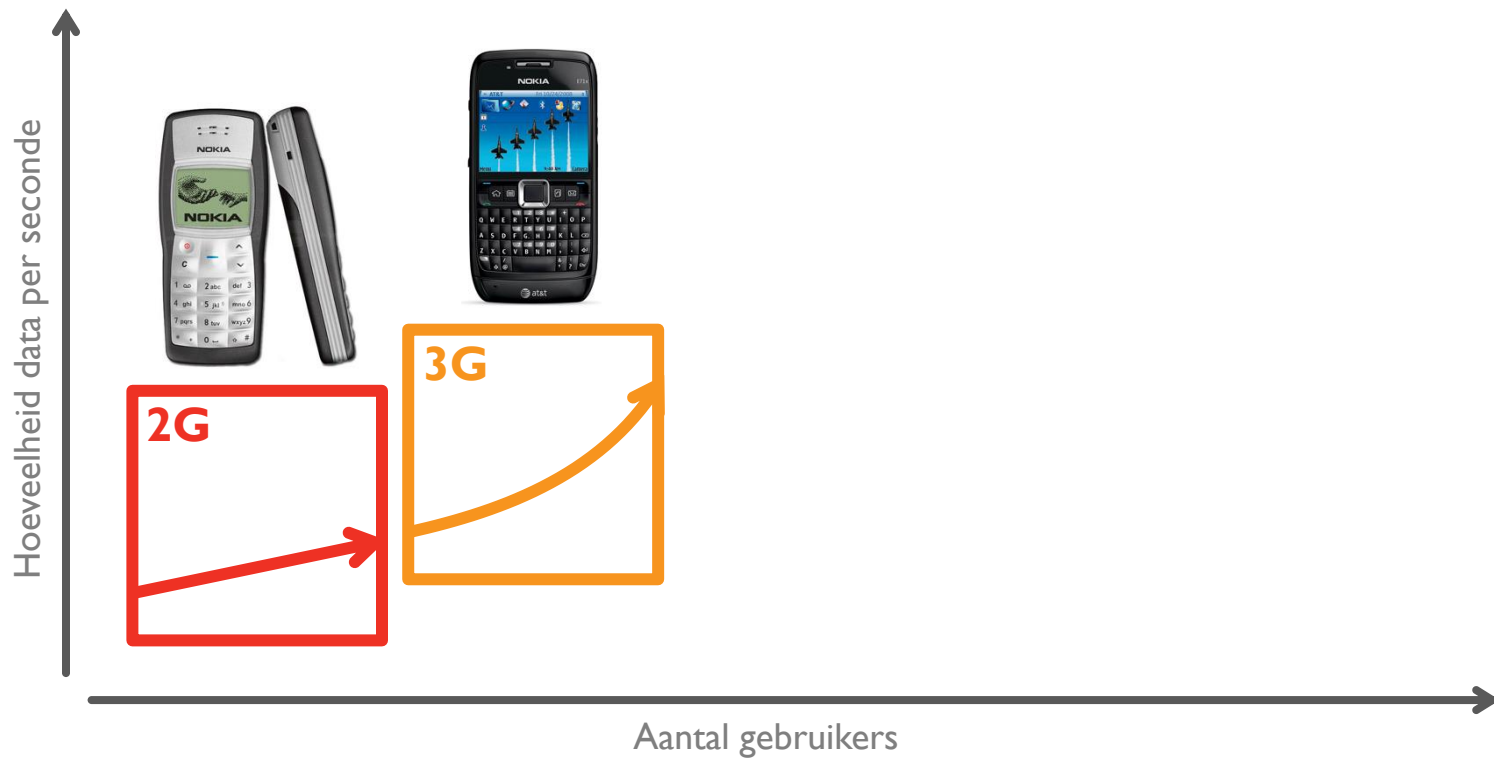


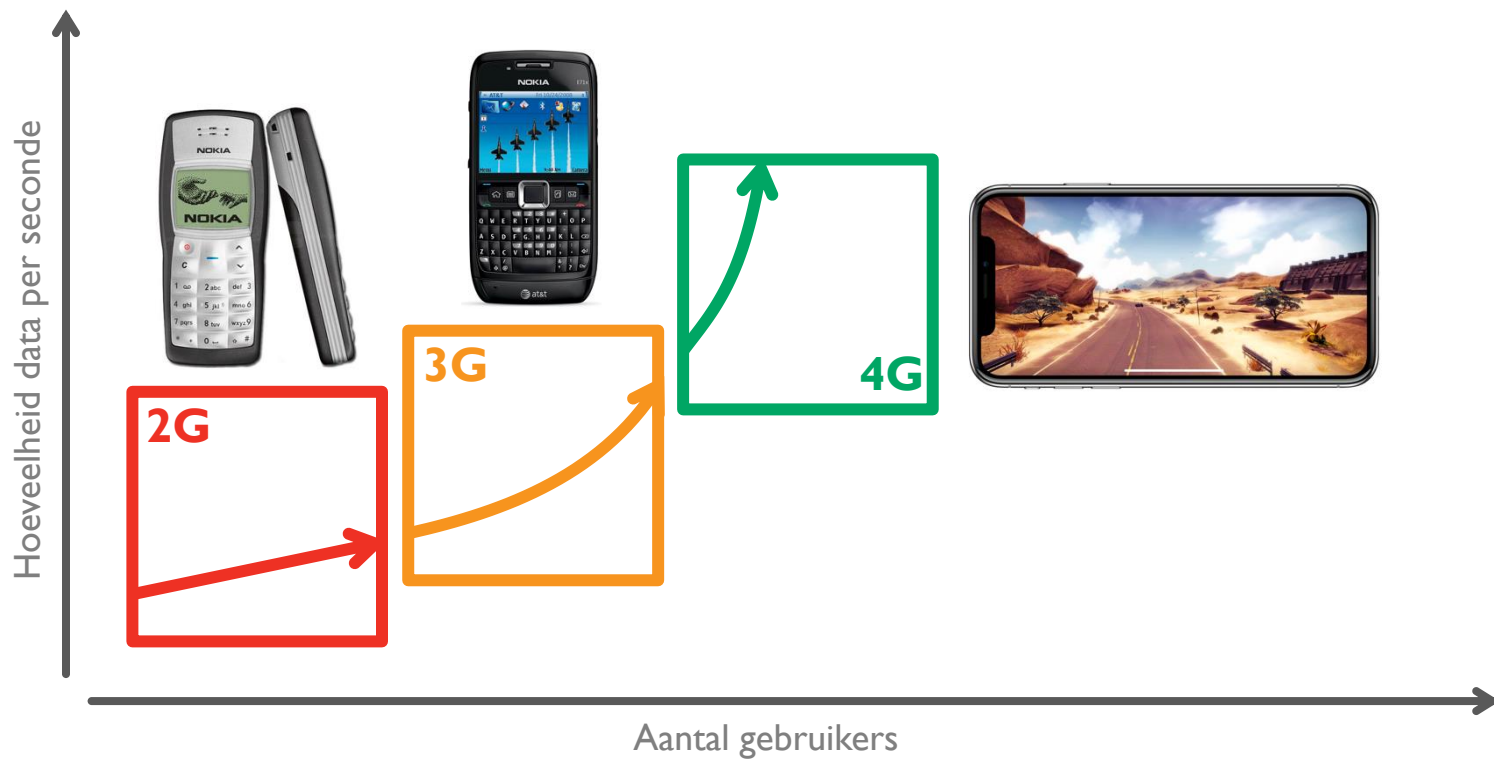
5G & INTERNET OF THINGS

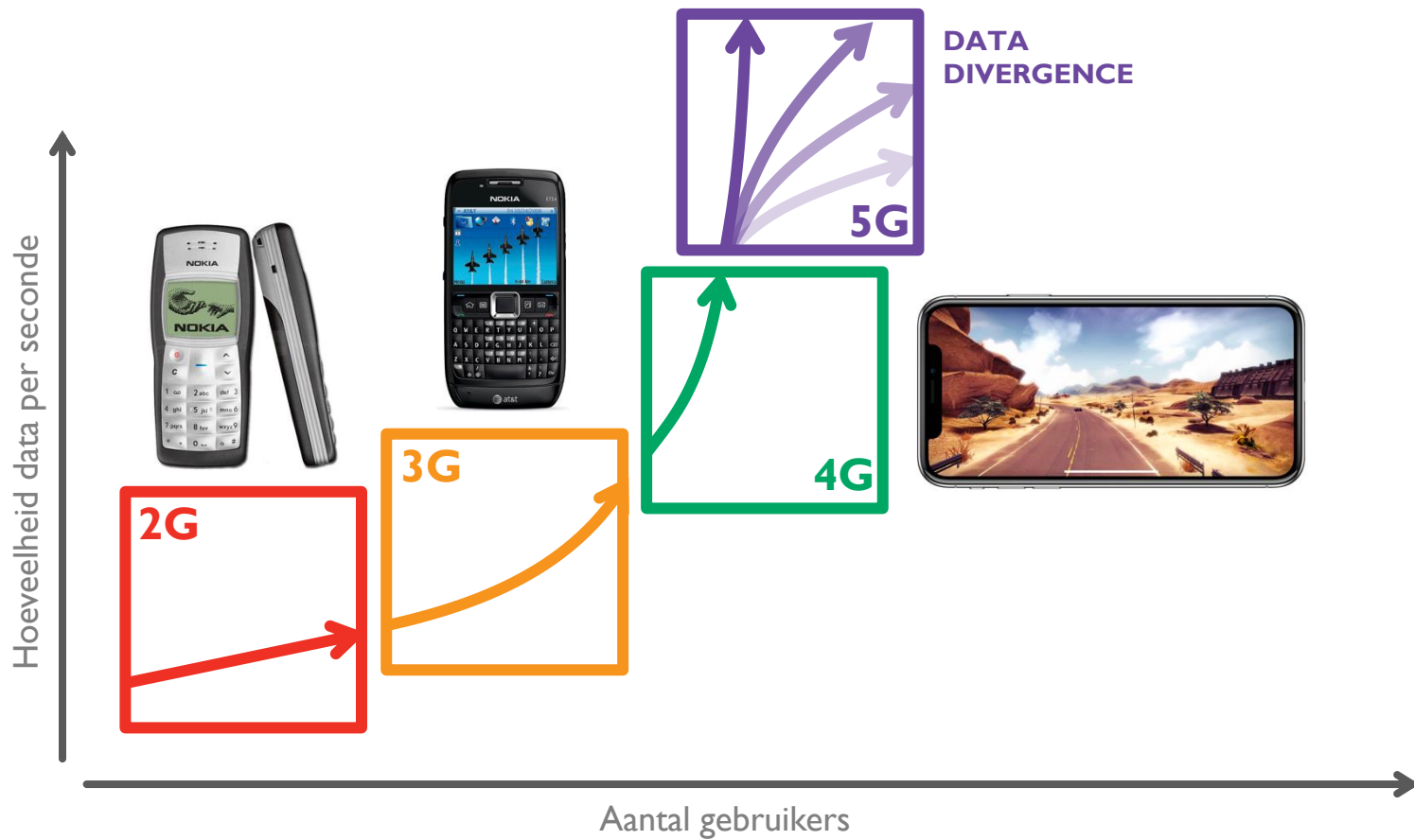
VAN 1G NAAR 5G



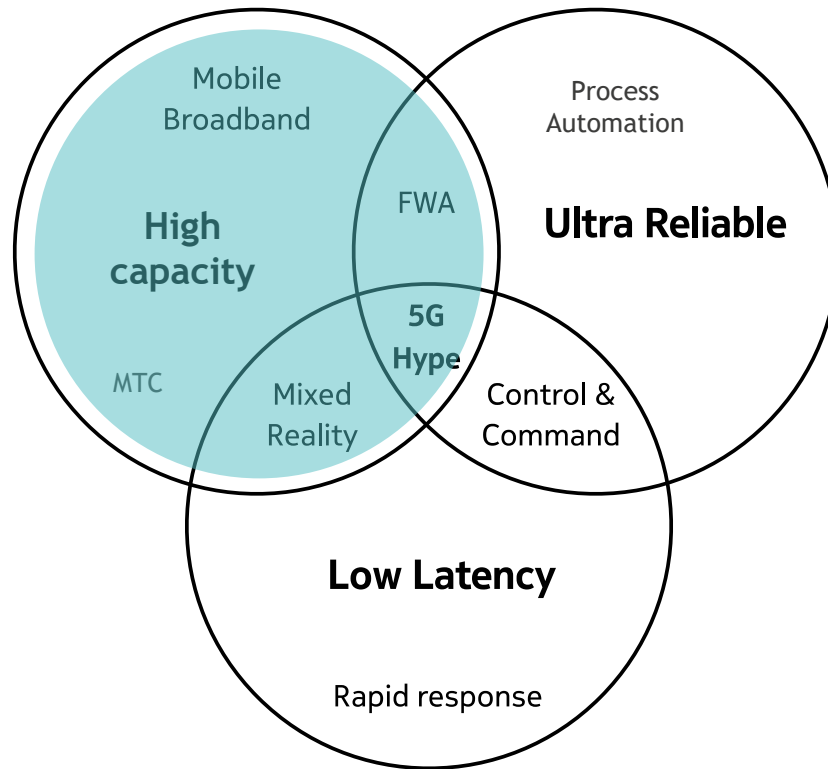








THERE IS NO FREE LUNCH





V.S.



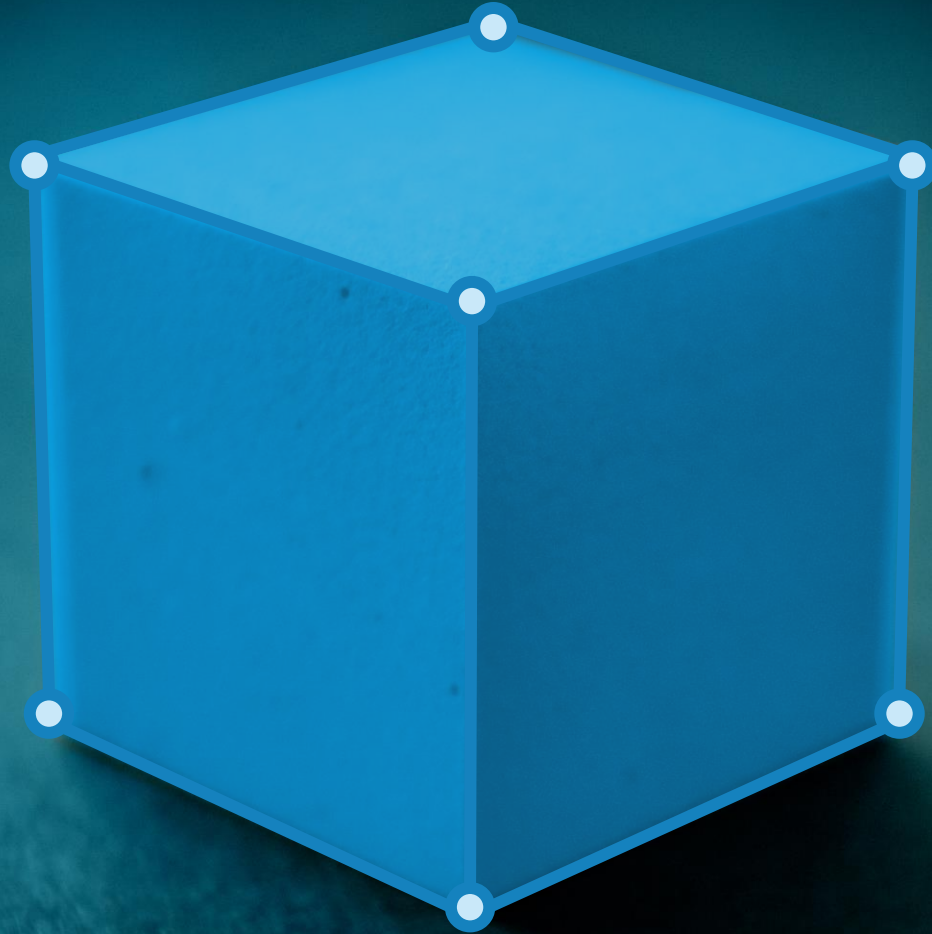


CENTRALISATIE



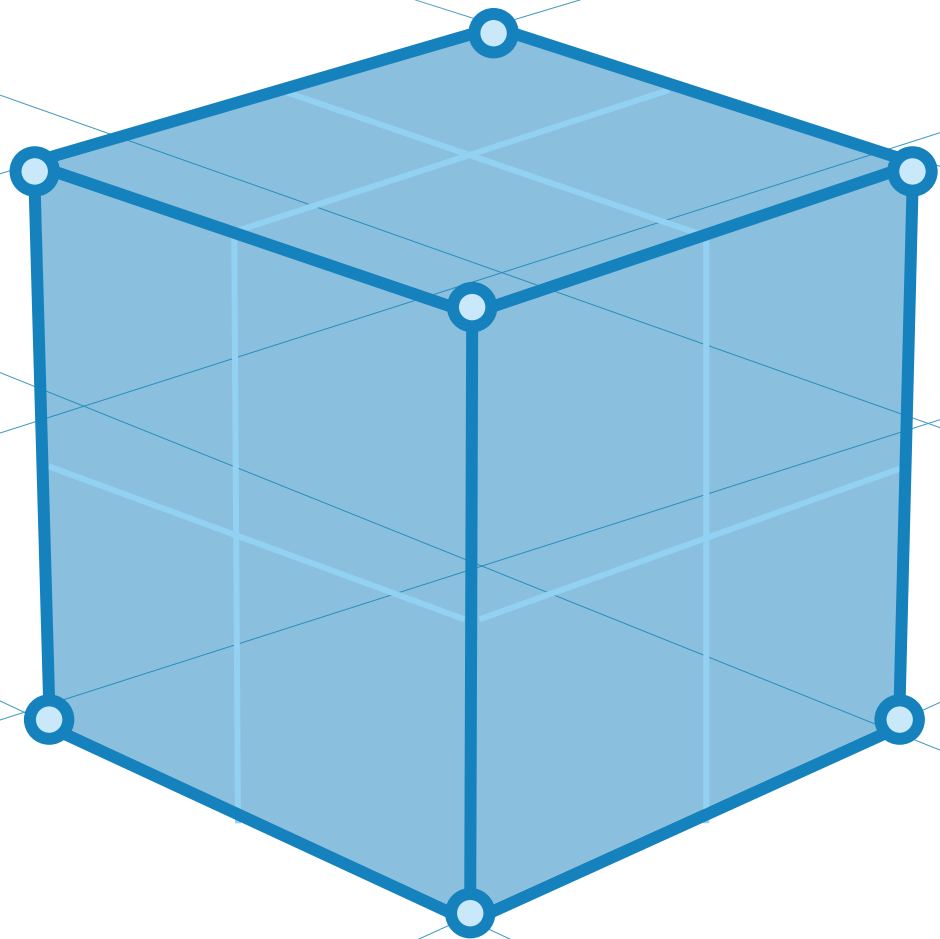
DIGITAL TWINS

WHAT IS A DIGITAL TWIN?



WHAT IS A DIGITAL TWIN?

Digital simulation
model of a **real**
environment

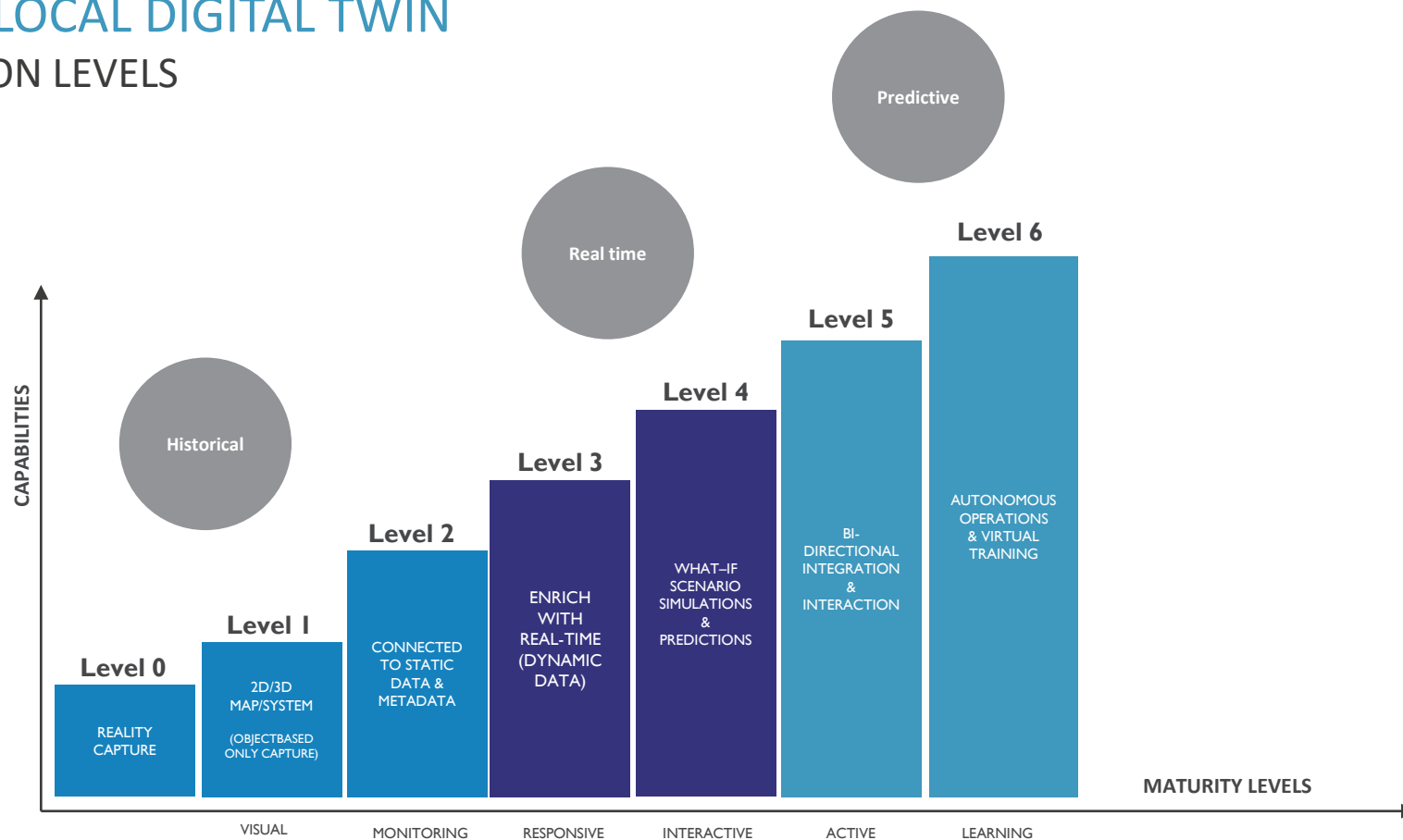




LOADING
AIS - SHIP INFORMATION
RECEIVING

OPEN LOCAL DIGITAL TWIN

AMBITION LEVELS



INZICHTEN



ARTIFICIELE INTELLIGENTIE

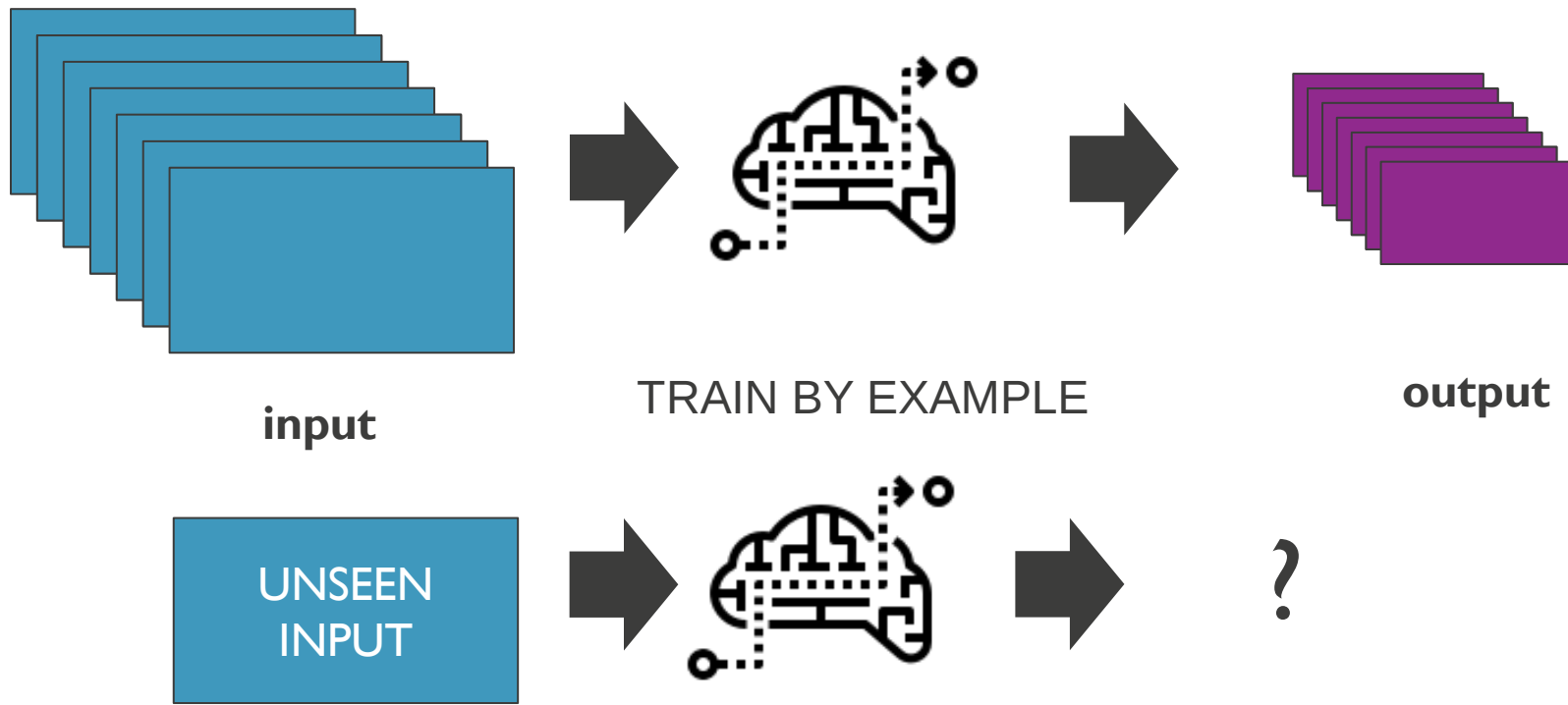


Learn from
observations



~~Program with Rules~~
Learn from Data

SUPERVISED LEARNING – ONE TYPE OF LEARNING





DEMO



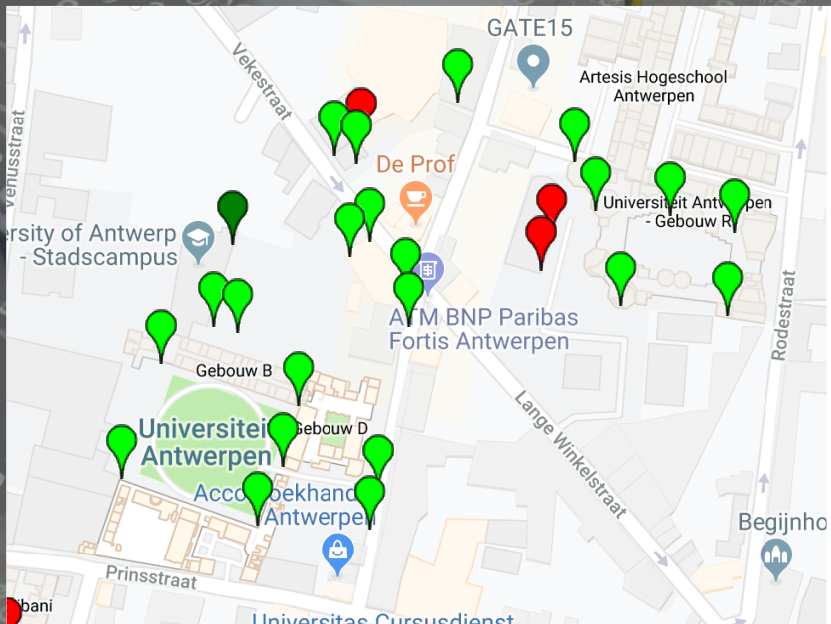
dog

cat



go to <http://ai.idlab.be>

IDENTIFICEREN VAN GELUIDS PROBLEMEN IN DE STAD



15 microfoons geïnstalleerd in een Antwerpse wijk
2800+ uren audio opname
AI model **op de sensor** om alarmen te genereren



embracing a better life