

SMART TECHNOLOGIES

WAT IS "SMART"?



SMART TV
SMARTPHONE
SMART METERS
SMART CAR

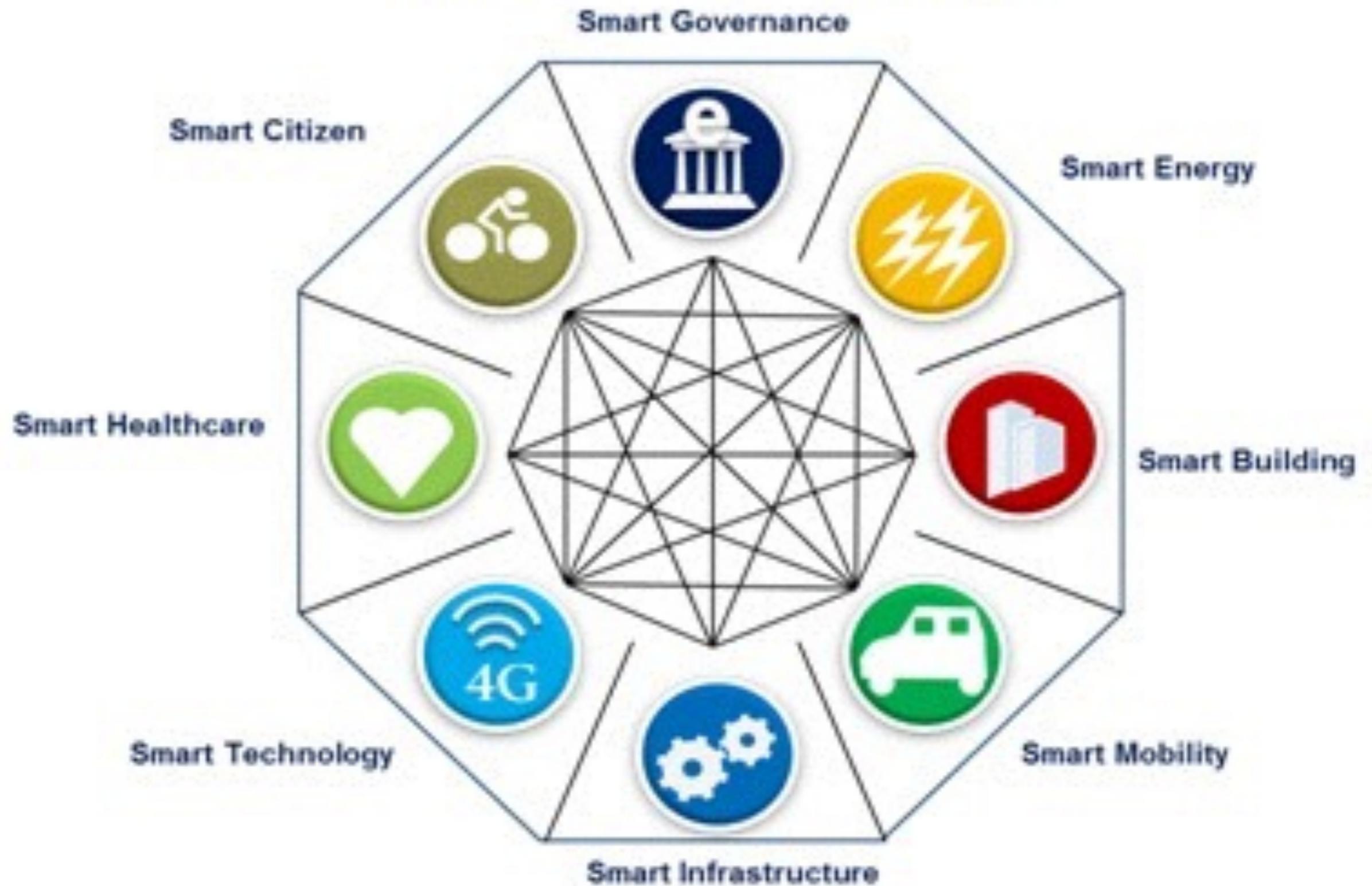
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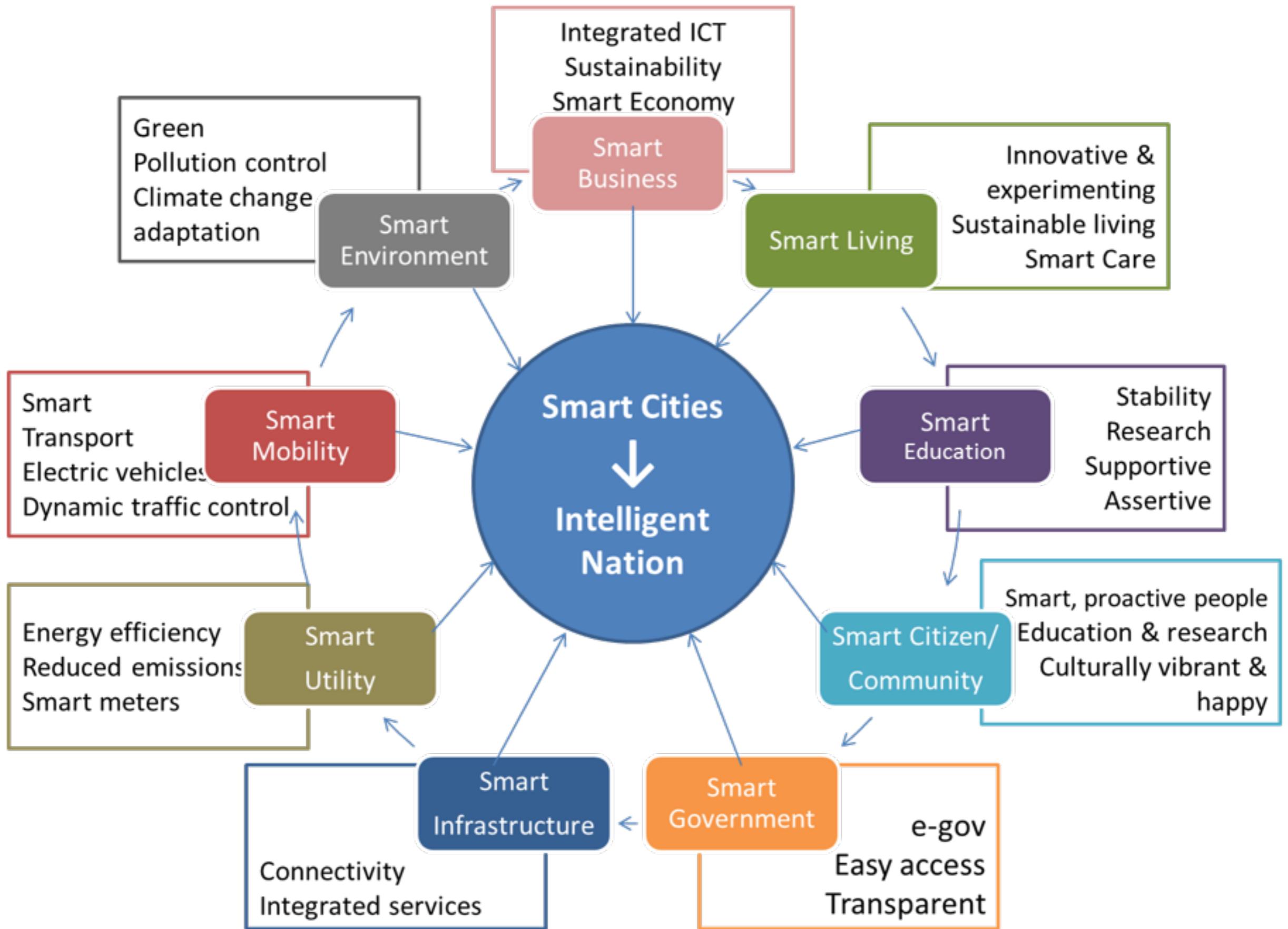
What is Smart Technology

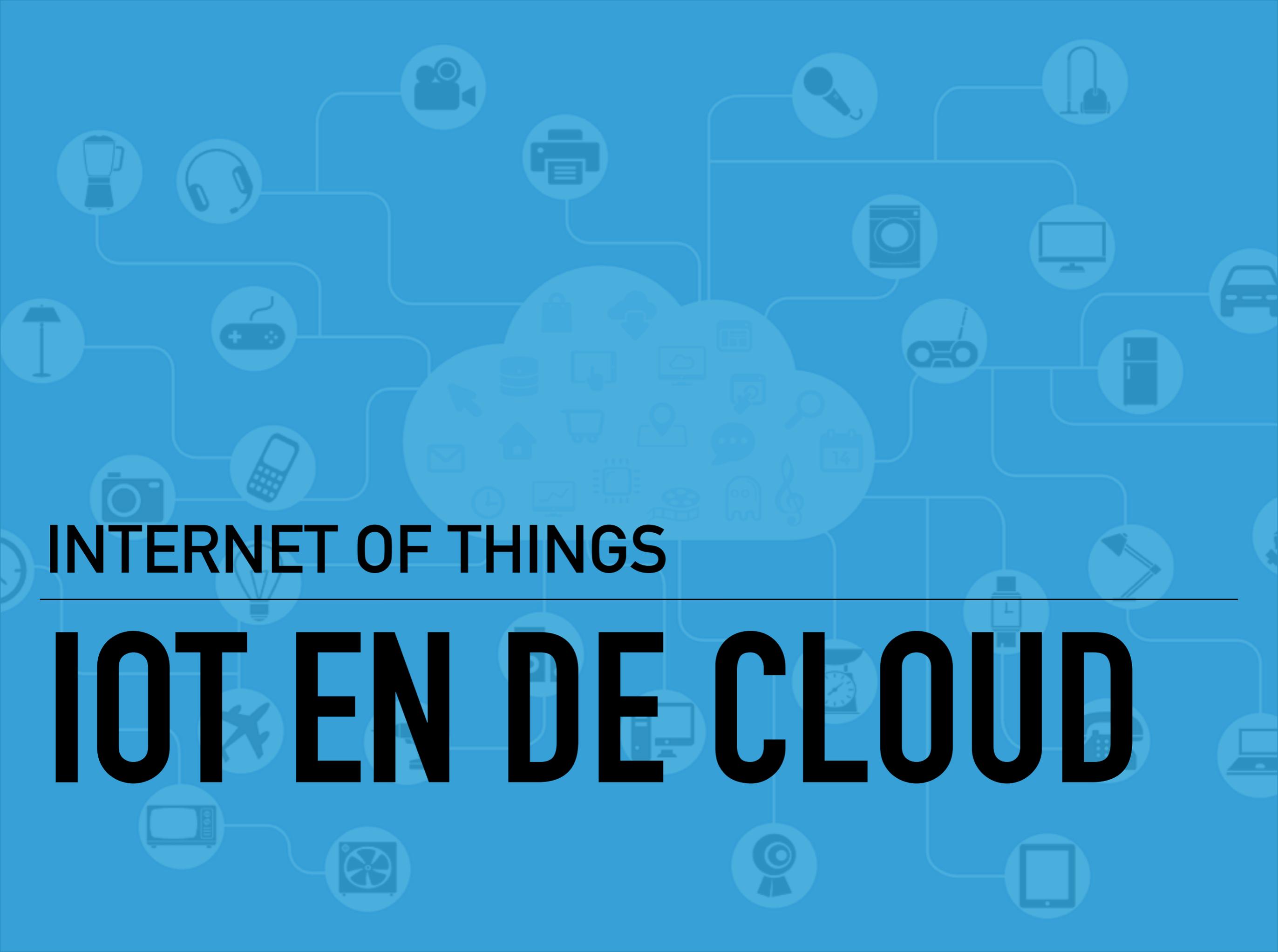
1. The **technologies** (includes physical and logical applications in all formats) **that are capable to adapt automatically and modify behavior** to fit environment, senses things with technology sensors, this **providing data to analyze** and infer from, drawing conclusions from rules. It also is capable of learning that is using experience to **improve performance, anticipating, thinking and reasoning about what to do next**, with the ability to self-generate and self-sustain.
2. Technologies that **allow sensors, databases, and wireless access to collaboratively sense, adapt, and provide for users within the environment**. Such smart technologies are currently found in housing designs for elderly and educational environments similar to sensors and information feeds within museums.

Bron: <https://www.igi-global.com/dictionary/smart-technology/38186>

Smart Diamond to define Smart city







INTERNET OF THINGS

IOT EN DE CLOUD

The background is a solid blue color with a network of white lines connecting various white icons. The icons represent different types of smart devices and appliances, including a camera, printer, microphone, vacuum, washing machine, laptop, game controller, door, calendar, desk lamp, watch, scale, drill, computer monitor, telephone, laptop, tablet, fan, and camera. The text is overlaid on this background.

**TOESTELLEN
VERBONDEN MET HET INTERNET
VERZAMELEN “DATA”
EN STUREN DIE DOOR
NAAR DE “CLOUD”**



WELKE TOESTELLEN?

huishoudtoestellen

smartphones

computers

drones

robots

...



GOODKOOP EN "EMBEDDED"

MICROCONTROLLERS EN
ELEKTRONICA



SMART TOESTELLEN VERZAMELEN DATA

DATA GATHERING



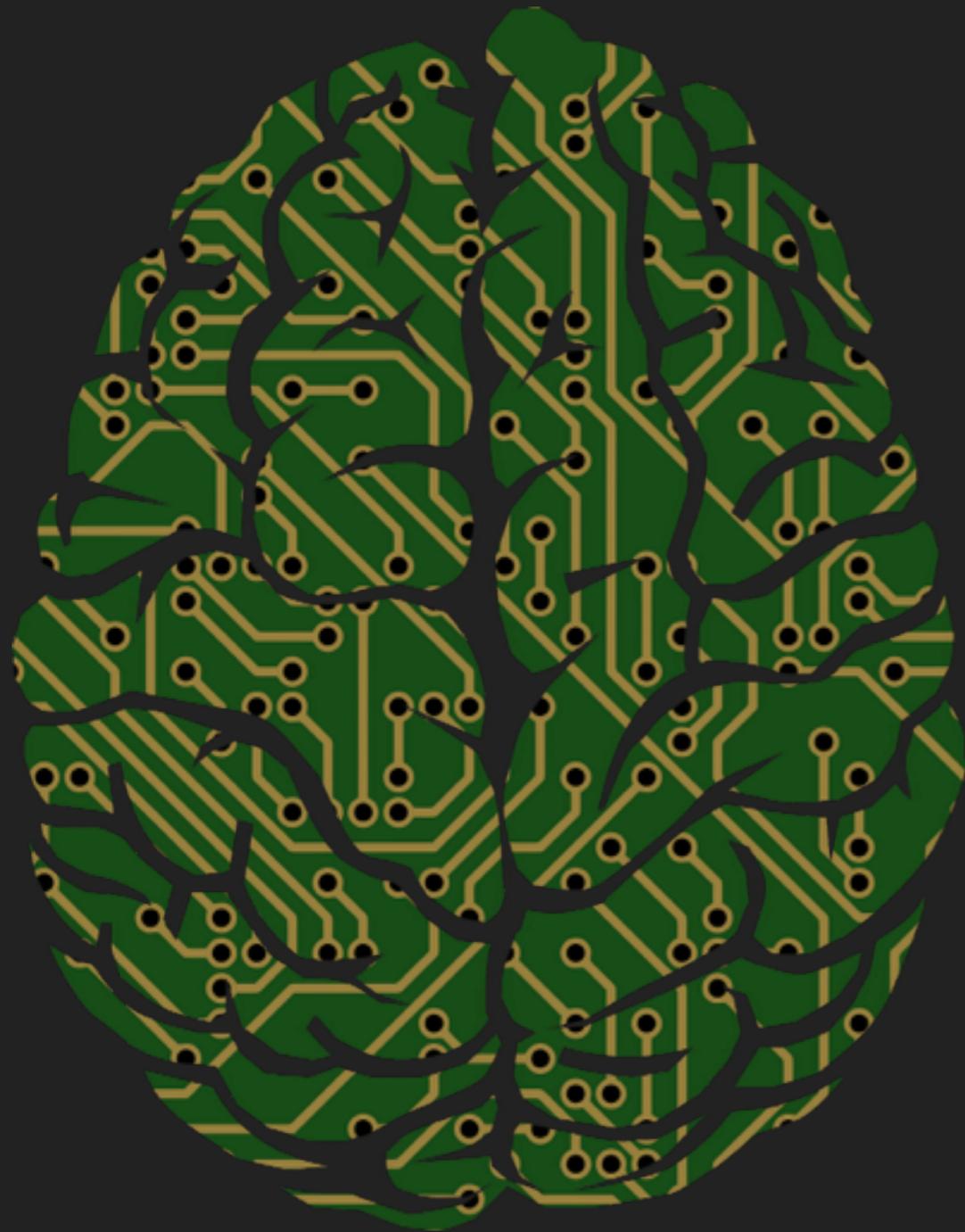
DATA IN DE “CLOUD”

BIG DATA



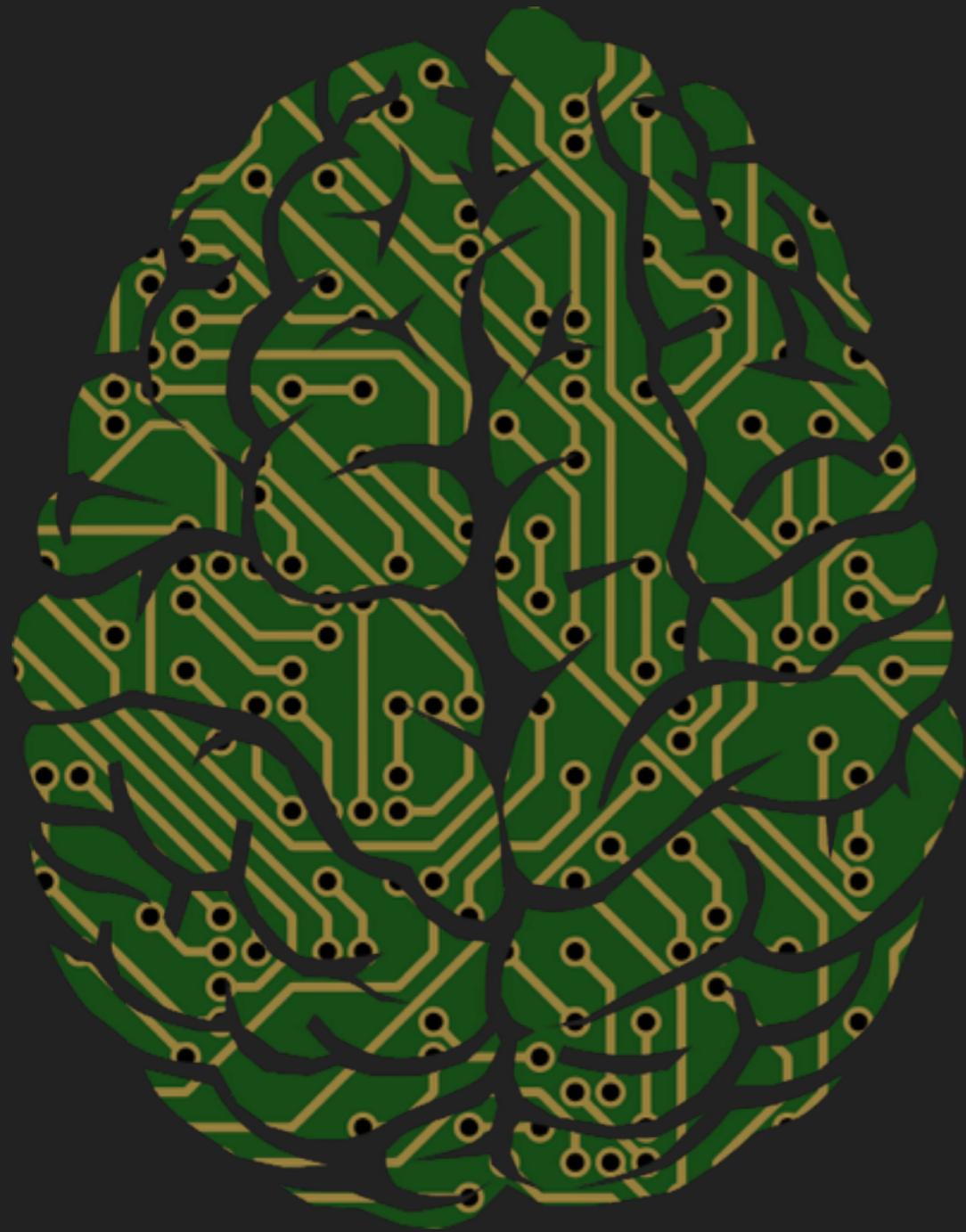
VERWERKING VAN DATA

AI EN ALGORITMES



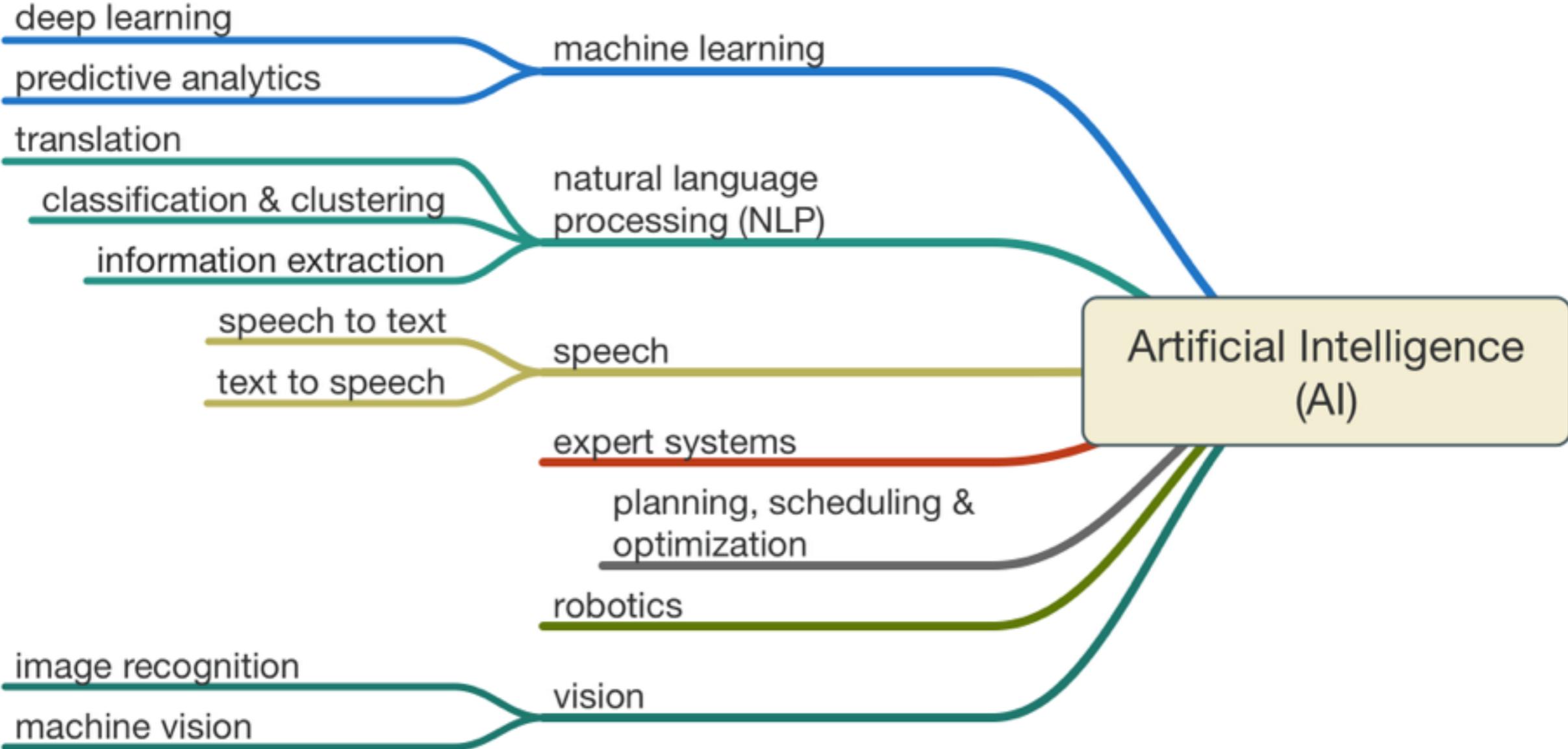
KUNSTMATIGE
INTELLIGENTIE EN
MACHINE LEARNING?

**STATISTIEK EN
PATROONHERKENNING**



SLIMME ALGORITMES STUREN FEEDBACK NAAR "SLIMME" TOESTELLEN

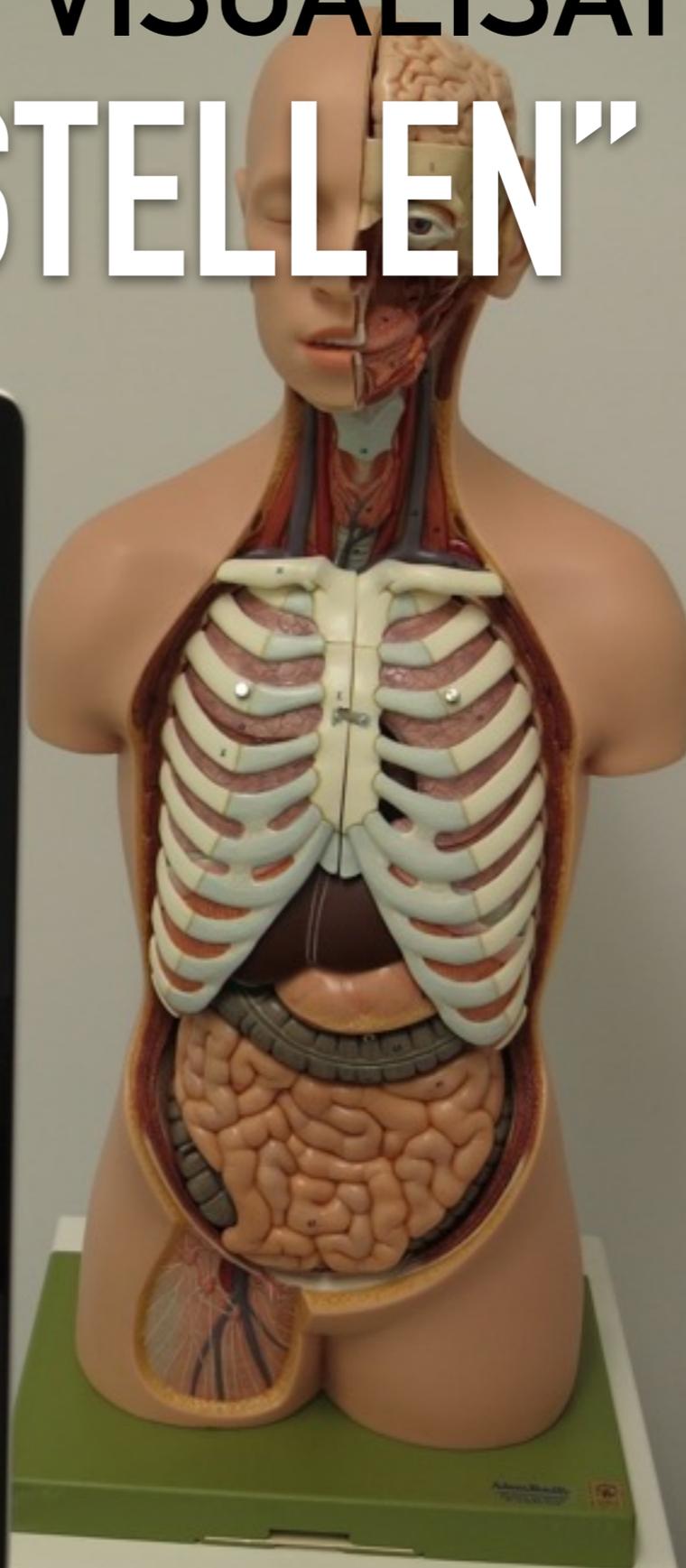
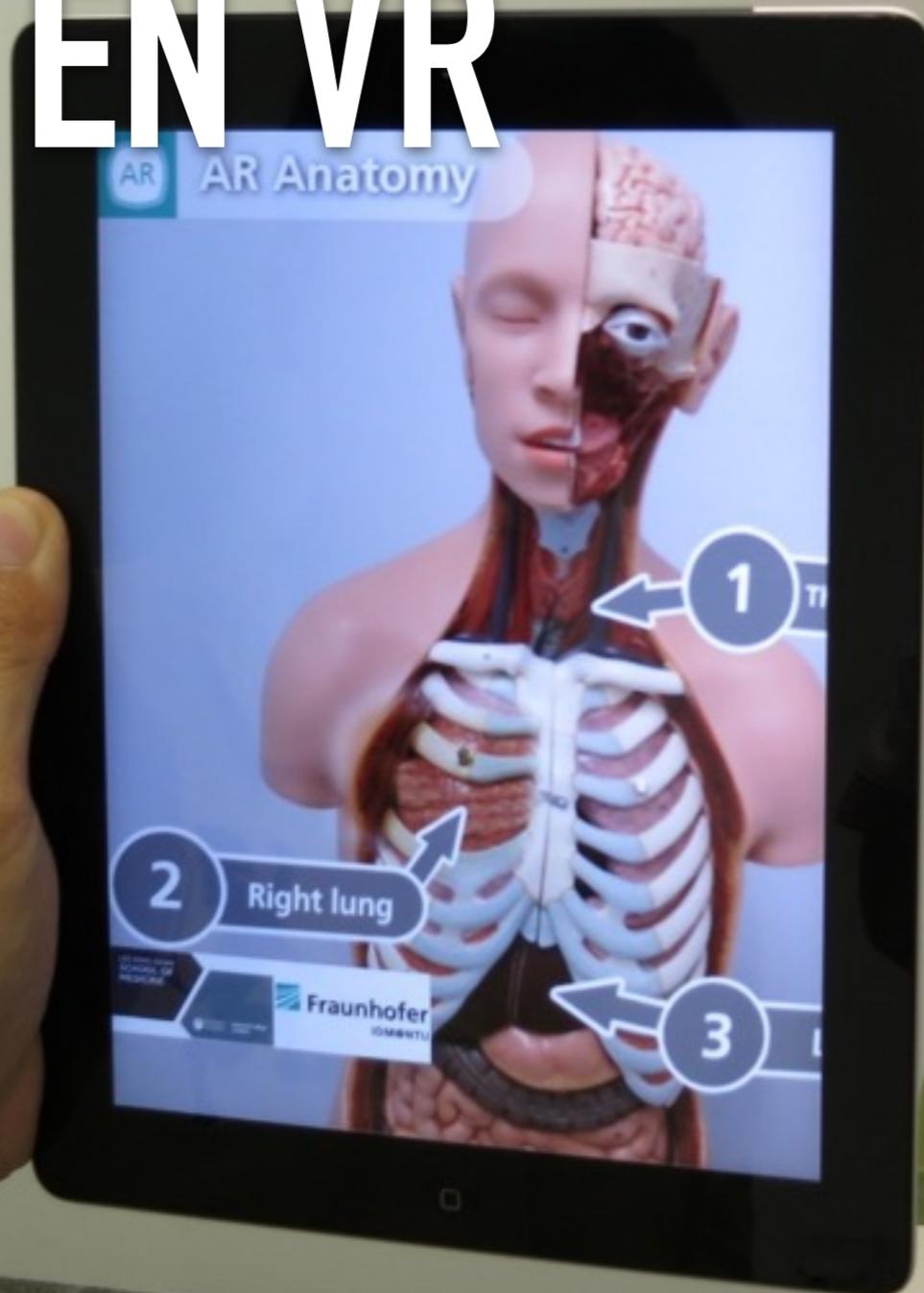
AI bestaat uit veel elementen



REPRESENTATIE EN VISUALISATIE

“SLIMME TOESTELLEN”

AR EN VR



WAT MAAKT TOESTELLEN “SMART?”

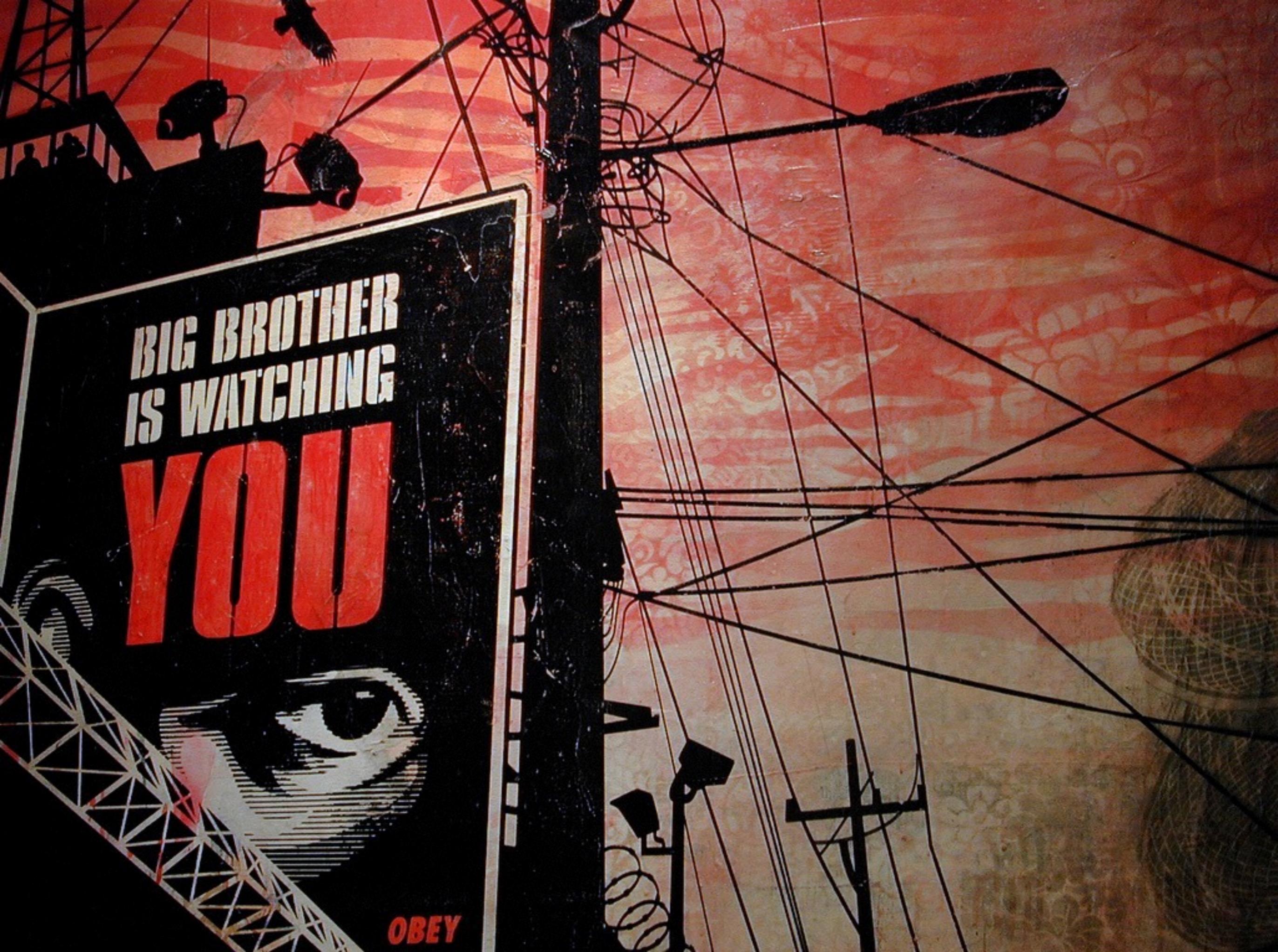
BIG DATA + AI + CLOUD

**BIG BROTHER
IS WATCHING**

YOU



OBEY



GEVAAR VOOR PRIVACY -
NIEUWE WETGEVING
NODIG

**BIG BROTHER IS
WATCHING YOU**

