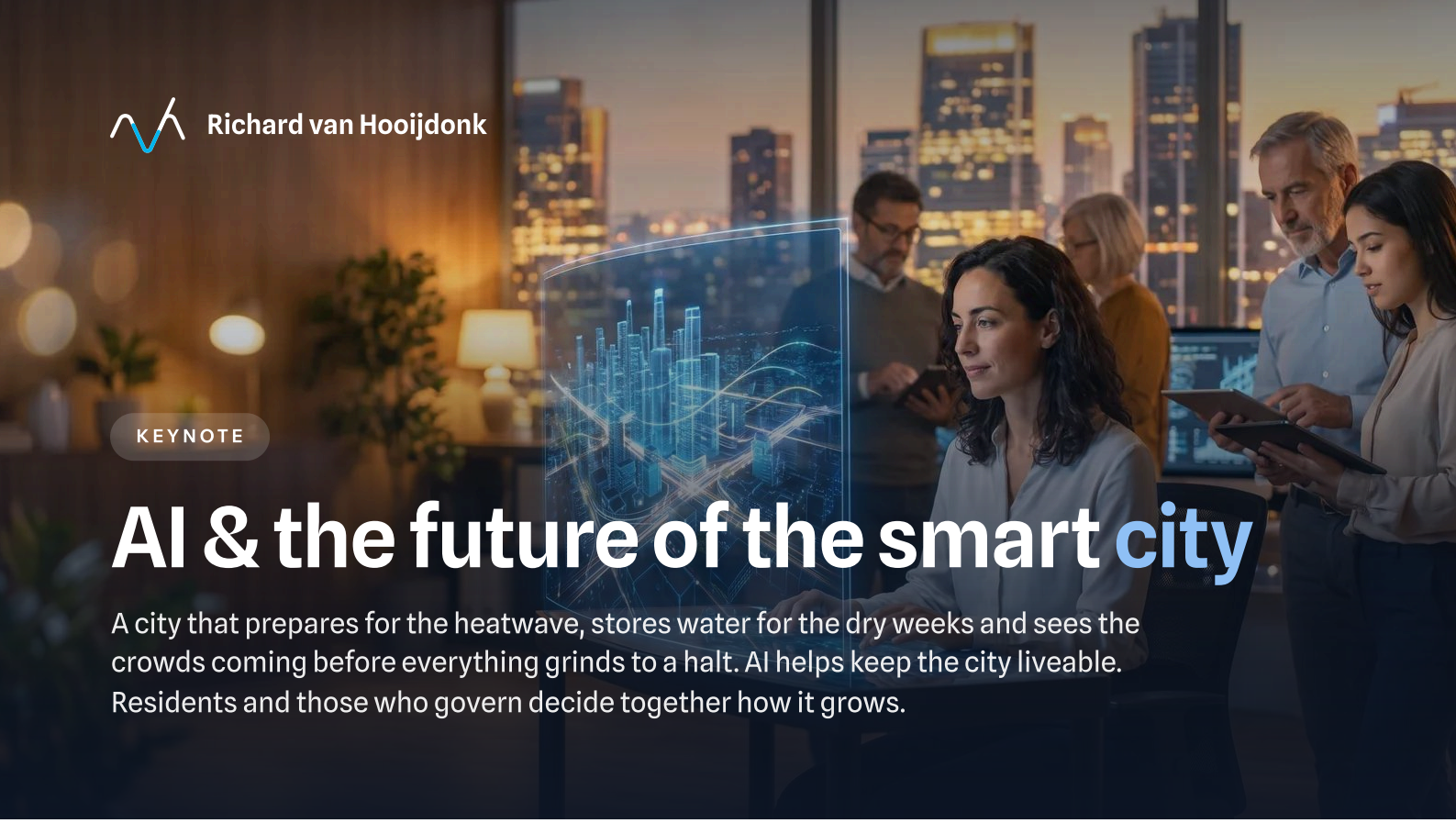


Richard van Hooijdonk

KEYNOTE

AI & the future of the smart city

A city that prepares for the heatwave, stores water for the dry weeks and sees the crowds coming before everything grinds to a halt. AI helps keep the city liveable. Residents and those who govern decide together how it grows.

More residents, hotter summers, wet winters and a power grid at capacity. How does AI help keep a city liveable when everything competes for space at once?

In this keynote, trend watcher and futurist Richard van Hooijdonk explores how AI makes the city of the future smarter and helps it adapt to what its residents need. A city that measures itself can act sooner: before the street floods, the square fills up or a pipe bursts. With AI, traffic lights respond to actual traffic, cameras on vehicles spot holes in the road, and a digital twin shows a city how a new district will spread shade, wind and heat. The next step goes further: waste collected and sorted without a driver, fleets of robots maintaining the streets, districts where homes, factories and hospitals manage their energy together. According to the United Nations, around two thirds of the world's population is expected to live in urban areas by 2050. Technology is only half the story. City departments will work together differently, leaders will make different decisions, and the relationship between a city and its residents shifts. The keynote shows what works now, what is coming and what is still a long way off. Some of these solutions already run in European cities; the task is to move them out of the pilot and into everyday practice.



RICHARD VAN HOOIJDONK

Richard van Hooijdonk is a trend watcher, futurist and international keynote speaker. Many trend watchers and futurists look at the future from a distance. Richard van Hooijdonk lives in it. His team consists of people and AI agents, and he has several chips implanted in his body. He speaks about AI and new technology, the organisation of the future and leadership in the AI era. He takes you into a future you can barely picture today, and shows how you can steer it yourself.

3,000+	650,000+	30+	Bestselling
keynotes	participants	countries	author

What the keynote covers

NOW AI in the smart city

What AI already does on the street, in the traffic control centre and in running the city.



01 Traffic that runs itself

AI matches traffic lights to actual traffic. The next step: lights that help stop congestion before it starts.



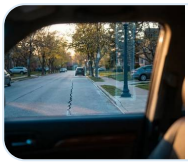
02 The city's digital twin

A virtual model of streets, pipes and buildings. AI tests interventions and produces design options for a neighbourhood.



03 Sensors in public space

Sensors measure air, noise and footfall. AI combines the readings with other data to predict heat.



04 Monitoring with cameras and AI

Cameras on vehicles help spot damage to roads and pavements. AI estimates where a leaking pipe is most likely.



05 The AI agent for public space

IN PILOTS

An AI agent handles reports. Image recognition can flag damage and start a repair order through a linked maintenance system.



06 Predicting and steering crowds

AI predicts crowds in the city centre and at events, so visitor flows can be redirected in good time.



07 The 15-minute city

IN PILOTS

Amenities within walking and cycling distance. AI helps work out where extra amenities and shared transport points are needed.

COMING NEXT The future of the smart city

Where the city could be in five to fifteen years, with AI as the engine.



08 The climate-resilient city

FUTURE SCENARIO

By 2040, AI could manage the water of an entire city: clearing space for the downpour, and keeping that same water for the dry weeks.



09 Energy in the neighbourhood

FUTURE SCENARIO

Around 2040, neighbourhoods could manage their energy together. AI links homes, factories, hospitals and schools into one whole.



10 Waste that collects itself

FUTURE SCENARIO

Underground pipes, self-driving refuse trucks and sorting robots could together form a largely autonomous waste chain.



11 Robots in public space

FUTURE SCENARIO

Robots already carry out repairs in trials. Around 2040, whole fleets could find damage and do minor maintenance, often at night.



12 Streets without parked cars

FUTURE SCENARIO

If shared self-driving vehicles replace private cars, parking space is freed up. AI works out what a street could become.



13 The circular city

FUTURE SCENARIO

Material data turns buildings into a searchable stockpile. AI matches materials recovered in demolition to building work elsewhere.



14 The city as an operating system

FUTURE SCENARIO

Traffic, energy, water and safety on one platform. AI runs the city within limits that people set in advance and in public.

PEOPLE & ORGANISATION

The city of the future

What AI asks of roles, teams, leaders and culture in the city.



15 The AI-first organisation

In the city, all repetitive and predictable tasks go to AI. Staff work for residents and neighbourhoods, weigh things up and use their judgement.



16 New roles in the city

By 2040, directors of AI agents, scenario designers and keepers of the live digital twin could play a large part in the city.



17 People and AI running the city

AI spots anomalies and estimates where problems may arise. People assess the situation, talk to residents and make the choices.



18 Leaders of the smart city

City leaders take the initiative on AI and new technology, and inspire staff and residents to build tomorrow's city together.



19 The future academy

Municipalities do not wait for schools and universities: in their own future academy, staff and leaders learn to work with AI and new technology.



20 Growing with an ecosystem

Organisations around the world share models and lessons. With start-ups, scientists, partners and governments, they develop applications together.

THE OTHER SIDE

The other side: responsibility and risk

Data, privacy and crime: what is at stake in the smart city.



21 Data as the foundation

AI only works when data from every part of the organisation is available, reliable and connected. That is the foundation of a city that works with AI.



22 Privacy in the smart city

Residents want to know what is being measured: privacy by design, an algorithm register and clear limits on cameras.



23 Cybercrime in the city

AI brings the city's data and systems closer within reach of criminals: through ransomware, hacking and cloned voices.

DURATION
30, 45, 60 minutes or longer, with time for questions

LANGUAGE
Dutch or English

FORMAT
On location or online

FEE
On request

PLUS

"Richard succeeded excellently in waking up our leaders and setting them on the path to the future: after the lecture, discussions took place across various parts of the organisation about the topics covered, and initiatives have been set in motion."

Aart van Haren Managing director, PLUS

Deloitte.

"A dazzling journey through new technology. The enthusiasm and energy during his presentation, combined with the visuals, provided a successful kick-off to our event."

Patrick Steemers Partner, Deloitte

Interested in a keynote for your smart city event?

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