The Innovative Road to Success:

building the first energy-producing road

dynniq energising mobility

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Business Development

Challenges enough in society

Technology can facilitate policy ambitions

but how?

Route 1 Route 2 PT Line 172 Network delay Wait tin pedestrian

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Example Project: 'N470 geeft Energie!'

- **Provincial road**
- **Connecting 3 highways**
- **Length 17 km**
- **13 crossings**

Busy road!

Client   Province of South Holland (NL)

Objectives

1. Realisation reconstruction road

2. Realisation Energie transition
- Save/generate energy
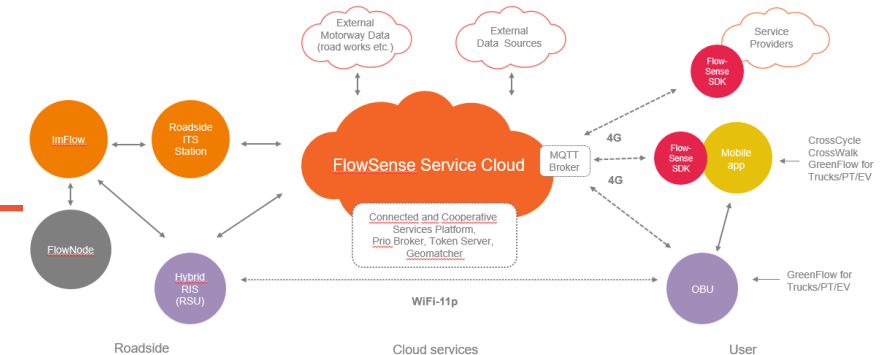- CO_2 footprint: neutral or better!

3. **And Innovate!**

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Innovative aspects

12 years collaboration on innovation

FlowNode
The basis for smart mobility solutions

ImFlow
Policy based adaptive traffic network control

Virtual Emissions Monitor

ENERGYWALL & DC GRID

Dynamic Public Lighting

Dynniq FlowSense Smart Mobility architecture

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Results achieved

CONTINUOUS INNOVATION

FLOW

energy saving
& GENERATING!

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Lessons learned

- ☐ **Area-based policy ambitions**
- ☐ **Dare to define high-level objectives**
- ☐ **Focus on clear but innovative KPI's**
- ☐ **Facilitate ROI & Dialoque for market**

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"Societal ambitions can not be realized without integral cooperation based on complementary knowledge"

Technology is only a facilitator..

Thank you.