



Smart cities and  
smart villages in  
Hungary



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# Framework - key policies and programs in Hungary

## POLICIES

**National Data Policy;** Municipal ASP platform, IKIR system; National Unified Card System (NEK) - Ministry of Interior

**Digital Wellbeing Program (DJP);** National Unified Ticketing Platform (NEJP) - Ministry of Innovation

## PROGRAMS

**Smart City Knowledge and Service Platform;** Modern Cities Program (MVP 1,1 bnEUR); Modern Villages Program (MFP) - The Prime Ministers Office

**ESCO,** Smart Specialization, Industry 4.0...

**Zalaegerszeg:** autonomous car driving test bed - Ministry of Innovation

# Exemplary Smart **Pilot Programs**

## Company driven pilot project

**T-City Szolnok Program** (2008-2016) – supported by Hungarian Telekom  
Status: closed.

Security:	Safe clubs; City guard; Integrated school check-in
Sustainability:	Optimized public lighting; Energy management; Water quality monitoring
Public services:	City card; City app; Internet academy; T-City Kids program
Living lab:	futurist program



## Government driven pilot projects

**Nyíregyháza** (2014-2017; 120.000 inhabitants) – supported by National Development Ministry

Status: finished.

City card, smart bench, surveillance system, public wifi, city app;

**Smart Monor** (2018- ; 18.500 inhabitants) – supported by Ministry of Interior

Status: in progress. Feasibility study.

City card, city app, smart buildings, smart public lighting, smart street, smart school, GIS, smart city strategy etc.



# Smart Village Pilot

**Community driven project**

**Ceglédbercel** (2017- ; 5.000 inhabitants) – supported by Utility & Telco Companies

Status: in progress.

Surveillance system, public wifi, city app, digital discussion forum, smart public lighting, EV charger;



# Key issues – lessons learned



In spite of national framework, fragmented project realization



Open data maintenance is not solved



Mainly funding & technology driven projects



Missing operational and business model

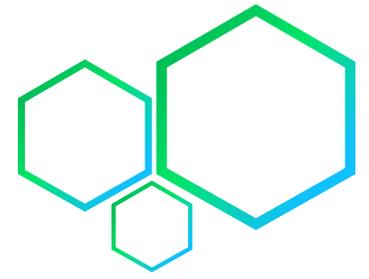


Lack of community involvement



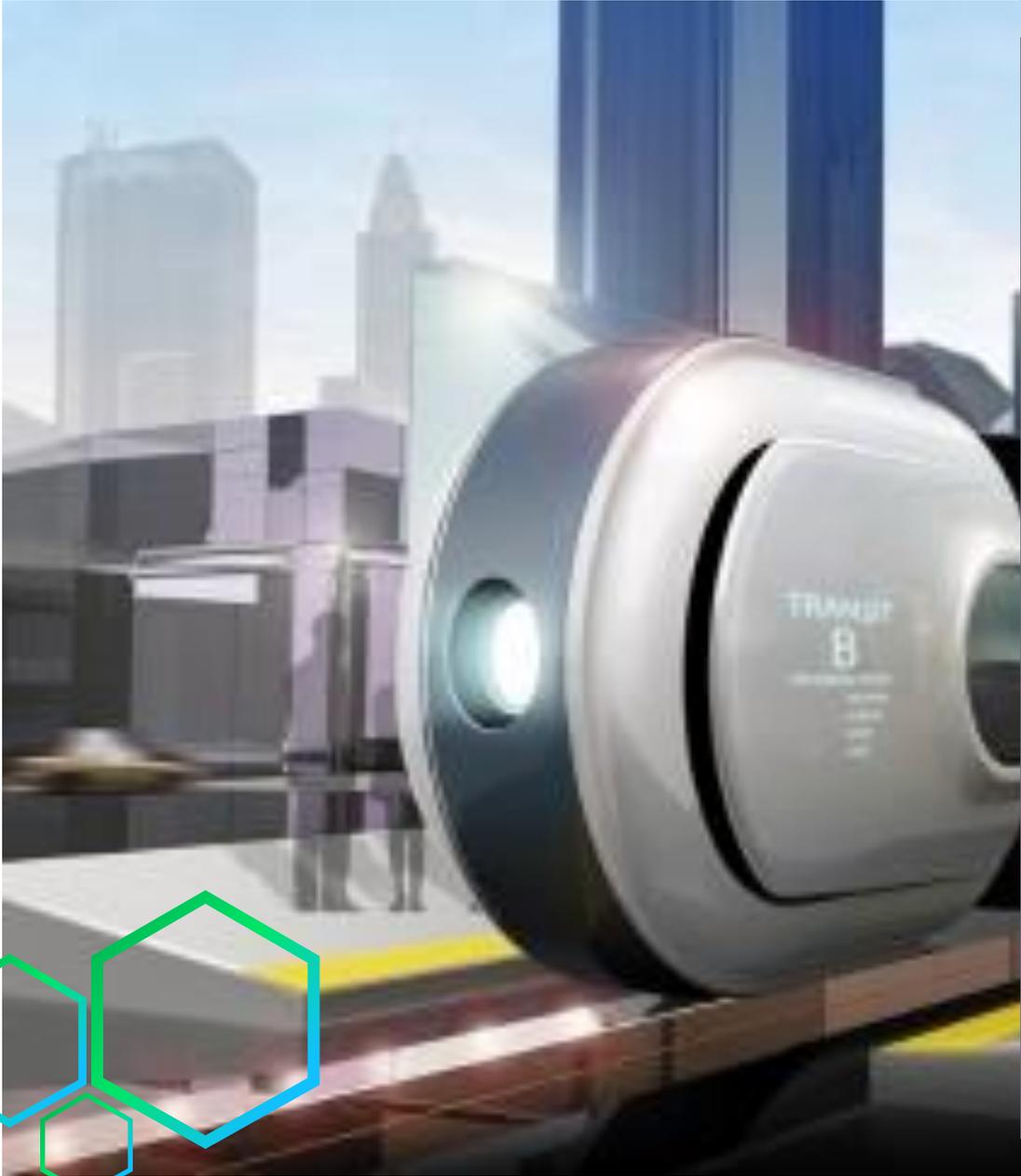
Lack of ecosystem and long term financial model

# Empowering a knowledge based society



Technology shall

Enable citizens to access and share knowledge in order to create a cooperation based, just, open, networked and intelligent community.

A futuristic train labeled 'TRANST B' is shown in a smart city setting. The train is sleek and modern, with a prominent circular light on its side. It is positioned on a track, and the background features a cityscape with tall buildings and a clear sky. The overall scene is brightly lit, suggesting a sunny day.

# Different approach to planning

Setting development goals first

Using the national Smart City Strategic Planning Methodology

Building more on locally active communities

ICT and other tools are assets

No generic solutions, local context is key (e.g. fostering regional cooperation for smaller settlements)

Changing the cities' operating model (e.g. more inclusion and consultation, greater transparency)

Partnership with businesses and other stakeholders in development and maintenance

