

Electromobility – insights from Hungary

Domestic policy measures: *(what specific regulations have been adopted)*

- Coherent and complex e-mobility strategy („Ányos Jedik” Plan, 2015)
- Comprehensive legislation (based on Directive 2014/94/EU)
- Incentives and subsidies (green number plates for EVs)
- Stakeholder cooperation (JÁK Cluster)

Results and impacts: *(short evaluation)*

- As of today, 11,000 EVs have been registered in Hungary since 2016
- Rapid growth of the charging infrastructure (800 charging stations, 1500 CPs)
- Ongoing disruptive change: issues of decarbonisation, energy transition, integration of renewables, energy storage, grid balance, smart cities, etc.
- Ongoing policymaking: Clean Energy, Clean Mobility, EU 2050 vision



Ányos Jedlik (1800-1895)



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Lessons learned: *success factors, implementation challenges*

- Customers/users are more open to e-mobility than expected
- Current demand for EVs outstrips supply (no electric cars available)
- Pricing and business models are uncertain

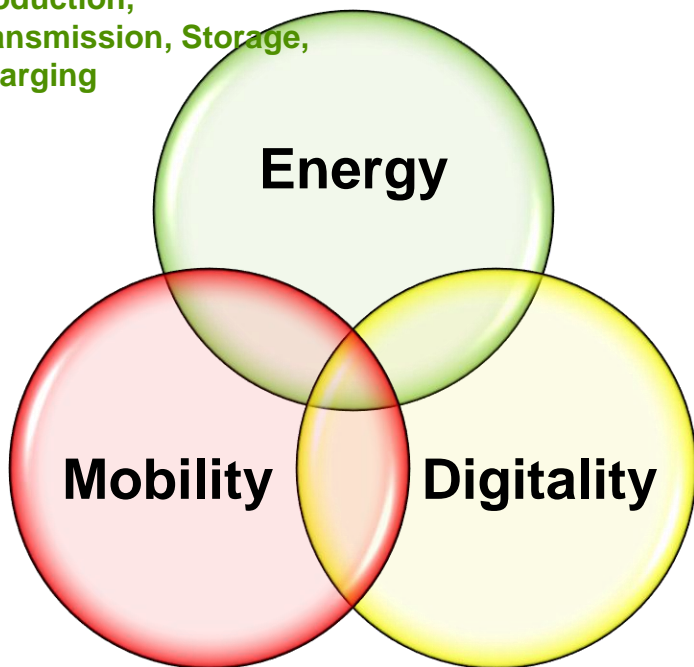
Outlook: *(what are the plans for the future)*

- Numbers! (Numbers? Depending on what?) 25,000 EVs by 2020.
- E-mobility as a tool for the 2030 National Energy and Climate Plan
- Electrification of public transport (Clean Vehicles Directive)
- Synergies with Hydrogen-based E-mobility
- Synergies with ACVs and car-sharing



Vision: A Common Ecosystem of Energy and Mobility

Production, Transmission, Storage, Charging



Automotive, Sales, Transport, Logistics

IoT, Mobile Networks, Connected & Automated

Policy-Driven Convergence of EU Strategies and Regulation: Global Megatrends

1. Decarbonization of the energy systems:

Security of the energy supply
Clean energy, clean vehicles (2009)
20-20-20 by 2020 (2010)
Alternative fuels (2014)
Renewable energies
Electricity

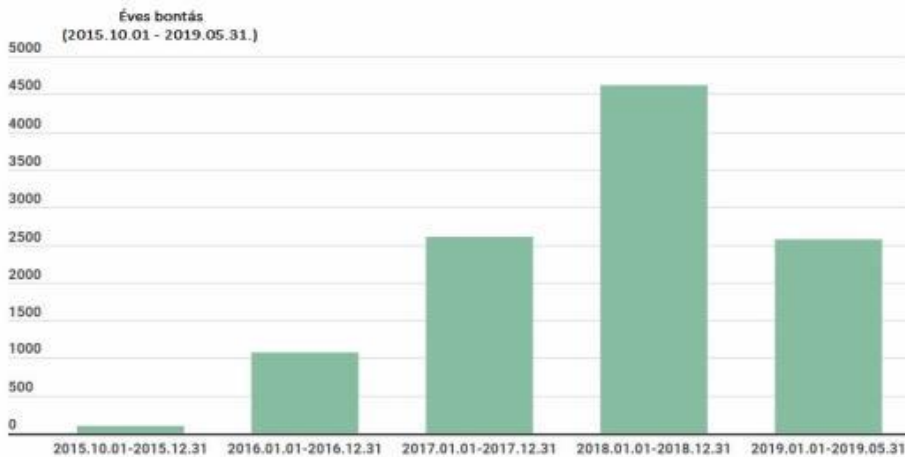
2. Industry 4.0:

Energy Efficiency
Competitiveness
Innovation
Digitalization

Electromobility statistics from Hungary, 2019.05.31



Magyarországon elsőként forgalomba helyezett, világoszöld alapszínű különleges forgalmi rendszámú járművek számának változása a 2015.10.01 - 2019.05.31. közötti időszakban



Éves bontás (2015.10.01 - 2019.05.31.)

Időszak	Darabszám
2015	92
2016	1077
2017	2611
2018	4622
2019	2579
Összesen:	10981



* A BM hivatalos adatai szerint jelenleg az SZ: egyéb nulla emissziós gépkocsik (ZEV) kategóriába besorolt gépjárművek száma: 1db