TIPS4PED

Scaling PEDs

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What is TIPS4PED?

TIPS4PED is funded under the HORIZON-MISS-2023-CIT-01 aiming to design, develop, and test in a relevant environment the effectiveness and the techno-economic viability of a Digital Twin based Platform, to support municipalities in implementing Positive Energy Districts (PED).
Who we are

• Lighthouse City: Turino

• Follower Cities: Budapest I Cork I Kozani
Project sites

Turin - Campus Politecnico di Torino

Kozani – Campus University of Western Macedonia

Cork - Docklands

Budapest – District Kőbánya

GENERAL CONDITION OF THE BUILDING STOCK:

Condition:
- Good
- Fair
- Poor
Methodology

- Techno-economic viability
- Capacity building
- Impact Assessment Platform
- Sensors
- Digital Twin
- Data Model
- Gamification
- Participation
Mission context

NZC 2024
Mission context

Emission domains
- energy systems
- mobility & transport
- circular economy
- nature-based solns
- green industry
- built environment

Systemic levers
- technology/infrastructure
- governance & policy
- social innovation
- learning & capabilities
- democracy/participation
- finance & funding

Socially constructed

NZC 2024
Funding context

• +20 years of European funding
• +10 defining lighthouse projects
Standardisation context

- **Digital Twin**
  - DINISPEC 91607

- **Citizen Services**
  - WI 00465003
  - CEN/TC 465 WG2

- **Territorial Resilience**
  - prCEN/TR 00465004
  - CEN/TC 465 WG3

- **MetaVerse**
  - JTC1 SC24

- **Positive Energy District**
  - IEC SyC Smart Cities
Ready to scale?

CEN Workshop Agreement
Positive Energy Districts for climate-neutral and smart cities

M18
TIPS4PED engages the CWA process

M30
TIPS4PED publishes Standardisation Strategy

M42
Publication of the CWA
Join us

Express your interest to receive updates on the standardisation actions in TIPS4PED
CONTACT

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Mission context

NZC portal
- NZC community
- Knowledge repository
- Dashboard

Climate City Contract
- Commitment
- Action Plan
- Investment Plan

Climate Transition Map
- Guide to climate neutrality journey

City Advisors
- Support, connect and advise cities on the journey to climate neutrality

Specialist support
- Systemic innovation
- Financing expertise
- Citizen engagement
- Social innovation
- Technical expertise

Twinning programme

Pilot Cities Programme
- Financial and in-kind support for innovative systemic climate activities

Transition team
- Transition team playbook

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