

Smart interactive light route for walking and running in Eckart

ICT | Eindhoven, NL



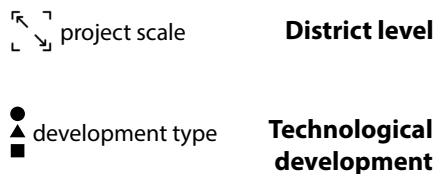
Photo source: Municipality of Eindhoven

To encourage walkers, joggers and runners lights are embedded in a foot walk around two ponds in Eckart. People can trigger the system via panels at several different locations around the ponds and choose a walking/running speed. The floor embedded 4-coloured lights follow users in the speed they have decided on. The solar powered tiles are embedded every 20m. The lights stimulate social interactions and enhance usability of the public space

Measured Impacts

Smart lampposts: **31**

How many times the running system has been used per day: **64.95**



Benefits

- Increasing social interaction
- Improving life quality
- Increasing safety
- Promoting use of active modes
- Increased district pride






Lessons learned

- A close tie to the local community and a joint design process building on it is highly recommended. However do Not expect everyone to show up (an outcome of 4% from invitations is Normal)
- Use an area with high and constant solar power provision (less shadow) to make sure enough energy for the light is produced
- Not all citizen groups are joining the design sessions, there will most likely be „usual suspects“ joining. For involving specific groups (like students) additional efforts are needed. Bring different kinds of project related personnel to get in touch with the citizens in the sessions.

Challenges

The walking path needed to be completed to form a full round around the pond. The electrical part of the system needs updates so that the system becomes solid to all kind of weather un-normal conditions

Supporting factors

-  **infrastructural**
Walking path was partly already existing however underutilized before.
-  **geographical**
Eindhoven – EckartVaartbroek district
-  **social**
Strong social interaction between different stakeholders & willingness to the municipality to improve the area
-  **legal**
Strict but clear EU legislation/regulations
-  **partners**
City of Eindhoven

Contacts

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