



CELTIC-NEXT

Innovate UK Summer Briefing

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EMPORIUM

Blockchain carbon credits wallet



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Teaser



Buildings account for about 40% of the total energy consumption, and 36% of CO2 emissions, in Europe.

Zero-emission buildings need solar heating and seasonal storage investments, which can be co-financed by carbon credits.

A blockchain carbon credits wallet for individuals is a small scale solution to facilitate this, house by house.

Organisation Profile

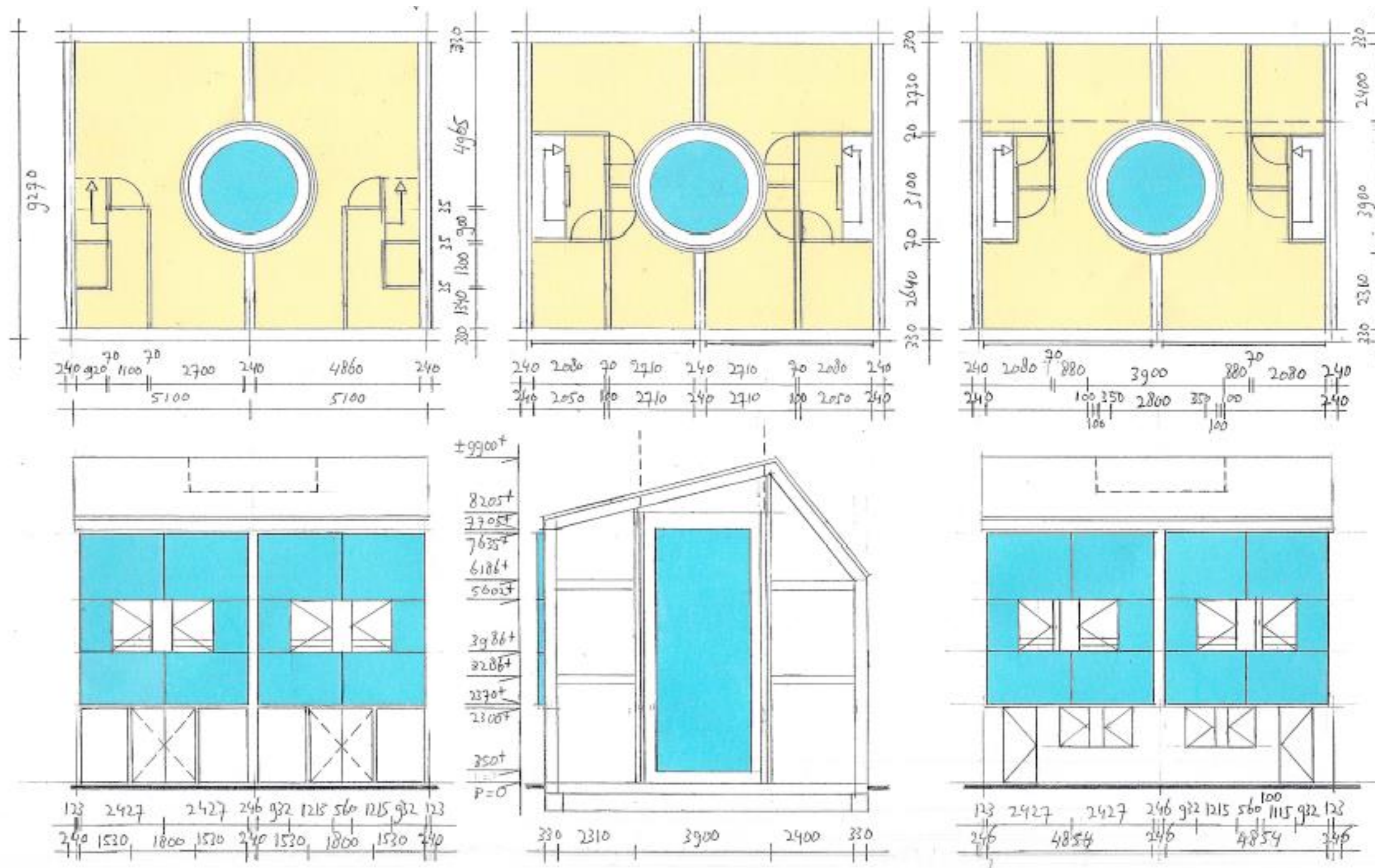


Wansdronk develops a solar energy, zero-emission and material saving building concept EMPORIUM

EMPORIUM is a low-exergy and zero-emission building concept with an integrated seasonal storage system without energy losses

EMPORIUM is a European Smart Cities and Communities Platform's Key Innovation, and links with many European research topics

Proposal Introduction



solar heat storage

EMPORIUM BUILDING

solar heat storage &
thermal collector

Proposal Introduction (2)



EMPORIUM Blockchain carbon credits wallet topics

- carbon credits calculation methodology and certification
- wallet owned by individual or by building (legal entity status)
- carbon credits liquidation at the EU-ETS or by NGO's
- social development goal (SDG) values incorporation
- permissioned or unpermissioned (public) blockchain
- energy (emission) footprint per blockchain transaction

Partners



Partner involved (European research experience)

- Participation in COST Actions (13) and FP5-FP8 Projects (3):
- 2019-2023 COST CA18136 European Forum for Advanced

Practices

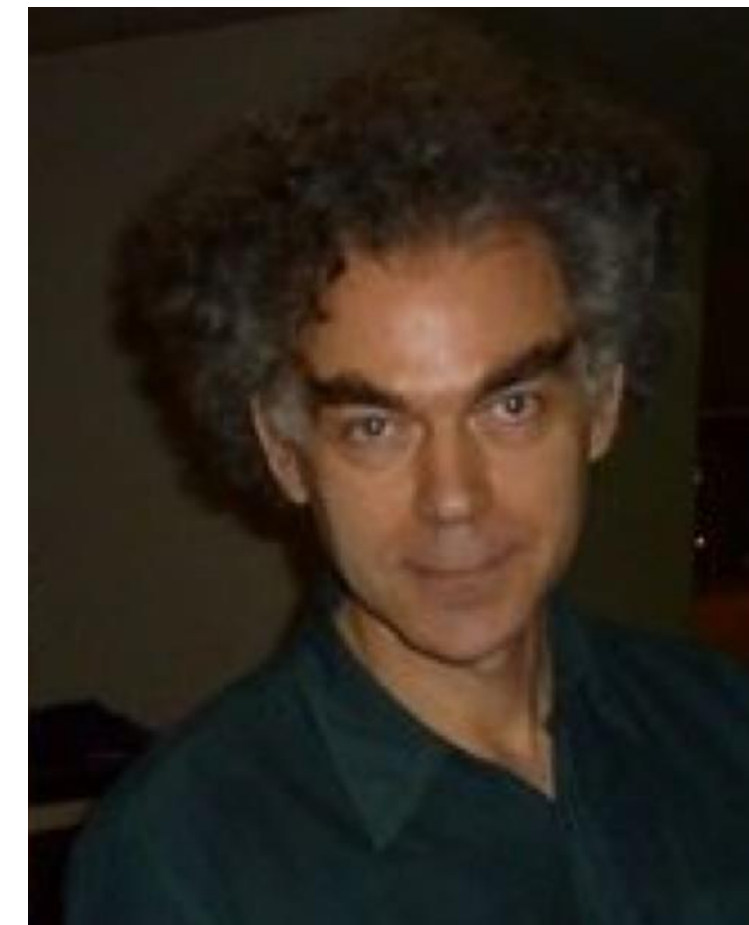
- 2016-2020 Horizon 2020 (FP8) CHESS-SETUP Combined Heat Supply

System by using Solar Energy and Heat Pumps (www.chess-setup.net)

Contact Info

For more information and for interest to participate please contact:

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Presentation available via:



Join the follow-up Telco

9 September 10-10.30 CET

Meeting number: 959 100 729

Meeting password: 6rXFqMdV

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