



Co-funded by the Intelligent Energy-Europe
Programme of the European Union



neZEH
NEARLY ZERO ENERGY HOTELS

www.nezeh.eu

Sustainable and competitive hotels for energy innovation

NEZEH 2015

Acropolis Nice – June 24th 2015



www.nezeh.eu



Co-funded by the Intelligent Energy Europe
Programme of the European Union.

EuroPHit: Retrofit step by step to NZEB

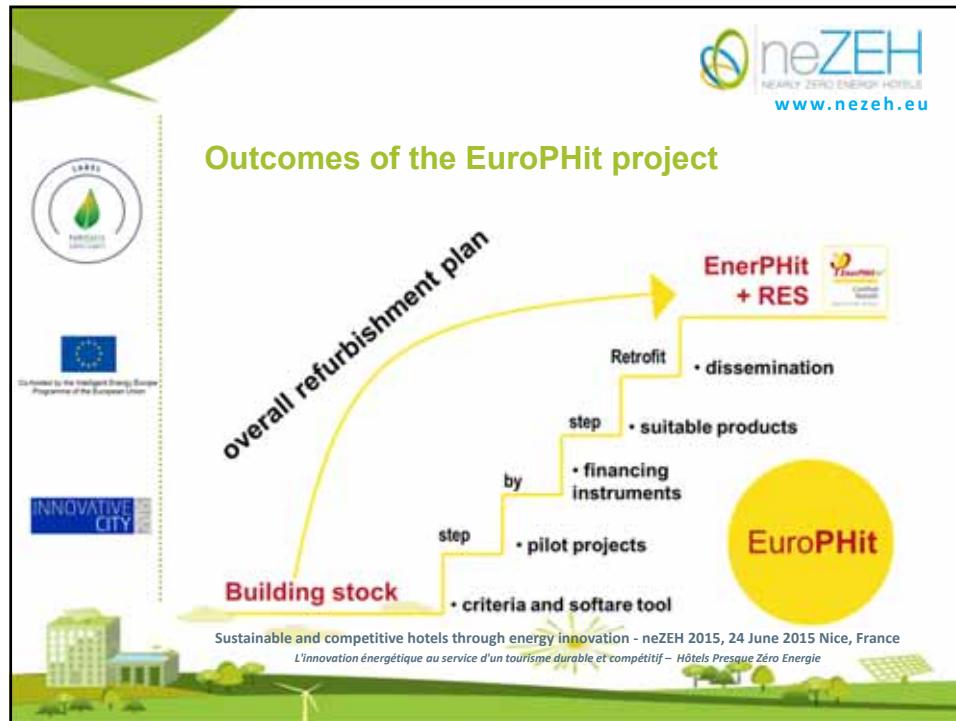
- Simon CAMAL, La Maison Passive

**SUSTAINABLE AND COMPETITIVE HOTELS THROUGH
ENERGY INNOVATION - NEZEH 2015**

**L'INNOVATION ÉNERGÉTIQUE AU SERVICE D'UN TOURISME DURABLE ET COMPÉTITIF
HÔTELS PRESQUE ZÉRO ENERGIE – EDITION 2015**

24 June, 2015 – Nice ACROPOLIS





Find reproducible solutions...

Ceiling+MVHR (2015)
Investment = 14 k€/unit
Saved energy price = 8 c€/kWh

Walls+Eave (2018)
Investment = 16 k€/unit
Saved energy price = 6 c€/kWh

Sustainable and competitive hotels through energy innovation - neZEH 2015, 24 June 2015 Nice, France
L'innovation énergétique au service d'un tourisme durable et compétitif – Hôtels Presque Zéro Energie

... to make nZEB retrofit affordable

Category	OPEX heating + DHW (€ / dwelling.a)	CAPEX heating + DHW (€ / dwelling.a)	Total Global Annual Cost (€ / dwelling.a)
Min Efficiency 2014-2020	~2200	~1600	~3800
EnerPHit 2016	~1800	~1200	~3000
EnerPHit 2017	~1600	~1100	~2700
EnerPHit 2019	~800	~1000	~1800
EnerPHit 2020	~600	~1000	~1600

Sustainable and competitive hotels through energy innovation - neZEH 2015, 24 June 2015 Nice, France
L'innovation énergétique au service d'un tourisme durable et compétitif – Hôtels Presque Zéro Energie

New products to make it easier (and cheaper)!

Windows fit for 2-phase retrofit: windows, then wall insulation

Component award 2016: **cost-efficient** ventilation systems

Sustainable and competitive hotels through energy innovation - neZEH 2015, 24 June 2015 Nice, France
L'innovation énergétique au service d'un tourisme durable et compétitif – Hôtels Presque Zéro Energie

What banks require

1. Holistic approach
2. Reliable calculation tools
3. Certification systems
4. Creditworthiness
5. Risk management

Sustainable and competitive hotels through energy innovation - neZEH 2015, 24 June 2015 Nice, France
L'innovation énergétique au service d'un tourisme durable et compétitif – Hôtels Presque Zéro Energie

