**One-page expertise description**

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| Date of publication | 16-3-2015 |

Topic(s) of interest:

EE5 Increasing energy performance of existing buildings through process and

organisation innovations and creating a market for deep renovation

SC 5 2016-17 work program of the challenge "Climate action , environment , resource efficiency and raw materials"

FTI Fast Track to Innovation

(EE8 Public procurement of innovative sustainable energy solutions)

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| Headline:  The core of the idea of consortium EnergyHouse to contribute to this work program - for theme Systemic eco-innovation for a circular economy - is as follows:  Within consortium EnergyHouse a Zero-on-the-Meter renovation concept for private home owners is in development ( Technology readiness level is ≥ 5 and ≤7 ) . This concept is developed within Dutch government program ‘Stroomversnelling Koopwoningen’ (literal translation = Rapids Residential Properties). There are far-reaching energy concepts in development by different parties for private home owners.  The demand for such "Zero-on-the-Meter ' homes grows increasingly, and is expected to reach 300,000 by the year 2015. Research has shown that more than a third of Dutch households is interested in getting a ' Zero -on - the -Meter ' house offer with performance guarantee. This is expected to eventually provide affordable and valuable , future-proof housing, that contribute to the sustainability of the existing housing stock and gives a meaning to corporate social responsibility.  A performance guarantee provided by the EnergyHouse consortium for Zero-to-the-Meter guarantee will help the home owner to choose for this renovation concept. The renovation concepts are not only build with annual balance sum = 0 , but also will be realized under specific conditions: 0-10 – Zero; which means guaranteed Zero-on-the-Meter renovation; realized within 10 working days and cost to renovate the house are neutral. |

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| Potential contribution: Pilot EnergyHouse; development and realisation.   |  |  |  | | --- | --- | --- | | **Consortiumpartners** | **logo** | **Profile** | | Mampaey installations |  | **Supply and installation engineering** | | Smits property care |  | **Development and realization of renovations** | | Van den Oudenrijn |  | **producer façade** | | DPA Cauberg-Huygen |  | **Consultant Energy and sustainability** | | Nieuwe Architecten |  | **architects** | | Havensteder |  | **Social housing corporation** | | Stroomversnelling Koopwoningen/ Rapids Residential Properties |  | **government ; supercharger Zero-on-the-Meter concepts** | | Municipality |  | **To be determined** | |