Energy · Climate · Marine

# One Stop Shop digital platform

EU H2020 <u>Turnkey Retrofit</u> project no 839134

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uropean Unic



# **One Stop Shop**

a digital platform to guide energy retrofit



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 839134





### Purpose A high quality retrofit and pleasant experience for the homeowner

### One Stop Shop Context in Ireland





"...€50 billion to bring all homes in Ireland up to the required energy efficient standard..." Irish Times May 19th 2019

# One Stop Shop Existing types in Ireland



One stop shop	Assist SEAI Grant	Assist Energy Credits	Impartial Advice	Financing	Professional Indemnity	Online tools	Monitor works	End to end management	Digital platform
<b>Community energy</b> SuperHomes 3CEA RISEC	✓	✓	✓		✓		✓	✓	
Main Contractors House2Home;Kore; NCE Insulation; Lee Therm; Envirobead; DCIEnergy; Churchfield	✓	✓				✓	✓	✓	
Professional service & Main Contractor Green Watt Renova	✓	✓			✓		✓	✓	
Partnership ESCo + Financial Institution ProEnergy Homes (REIL + Credit Union)	✓	Energy credits used for services		$\checkmark$			✓	✓	
Utility Company SSE Airtricity Electric Ireland	✓	✓		Launching 2020			✓	✓	Launching 2020
electric reland Smarter Living				House Home About Latest News Our Product	Call: 433 49 4336998 (909) ] +44 20			churchfield	ProEnergy Homes

### One Stop Shop What contractors said to one homeowner "...

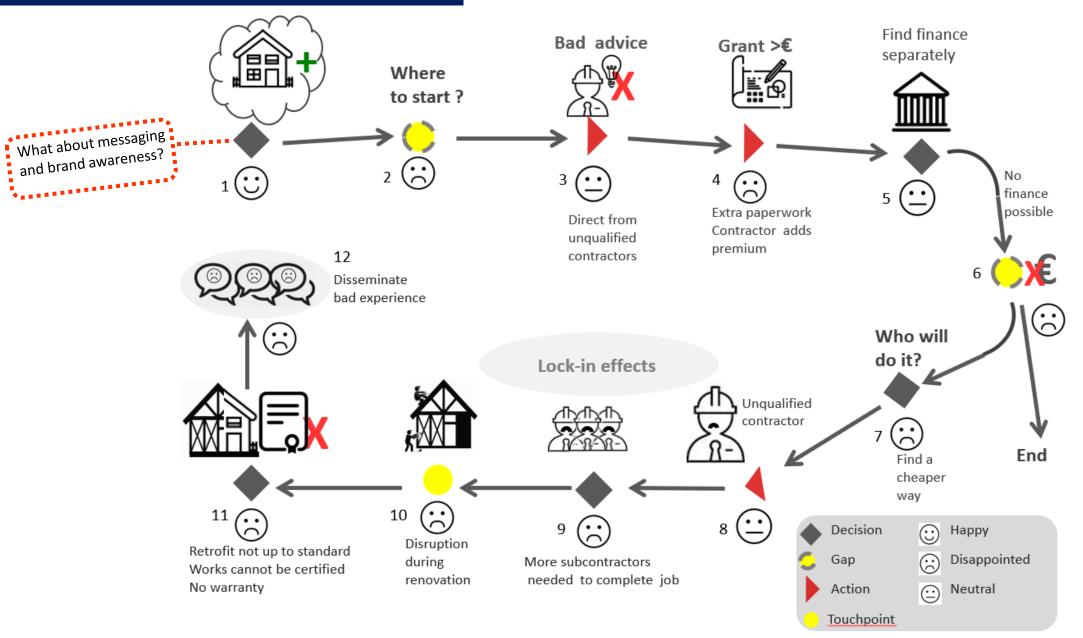




Customers can feel confused as each contractor/ plumber / electrician offers different advice

### One Stop Shop Existing Customer journey





### One Stop Shop Imagining what it could be like



### +smaller energy bills If you'd like comfort and health in your home - look no further



Find info, Renovation road map + Webchat













impartial adv





monitored





Developed in EU Turnkey Retrofit

### One Stop Shop French Prototype HEERO - WIP



Heero simplifie la gestion de votre habitat. Un logement facile, une vie plus tranquille.

Créer un compte gratuitement



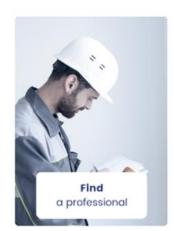
RÉALISER DES TRAVAUX

#### Let Heero make your renovation easy









#### One Stop Shop French Prototype HEERO - WIP



#### **Renovation criteria**



1 - Problems to solve 🖋
2 - Weather 🖋
3 - Windows 🖋
4 - Roof insulation 🖋
5 - Wall insulation 🛷

#### Problems to solve (multiple choice)



I have humidity problems : damp stains, blistered paint, moisture, fungal developpment, etc.



I feel cold in some locations or rooms while feeling warm in other rooms

I pay too much for heating

#### **Results: Improvement potential**

Current state



Energy saving no results Thermal comfort no results Acoustic comfort no results





I live in a noisy environment and it disturbes me even with my windows closed.



Other...

at home

#### One Stop Shop French Prototype HEERO - WIP

33%



#### **Renovation criteria**



1 - Problems to solve 🖋
2 - Weather 🥒
3 - Windows 🖋
4 - Roof insulation 🖋
5 - Wall insulation 🖉

#### Weather : cold in winter + very hot in summer



In winter, the weather is quite cold and too hot in summer



In winter, the weather is quite cold, but confortable in summer.



In Summer, the weather is very hot, but confortable in Winter.



Around my house, the weather not so cold in winter or hot in summer.





I don't know



#### **Results: Improvement potential**



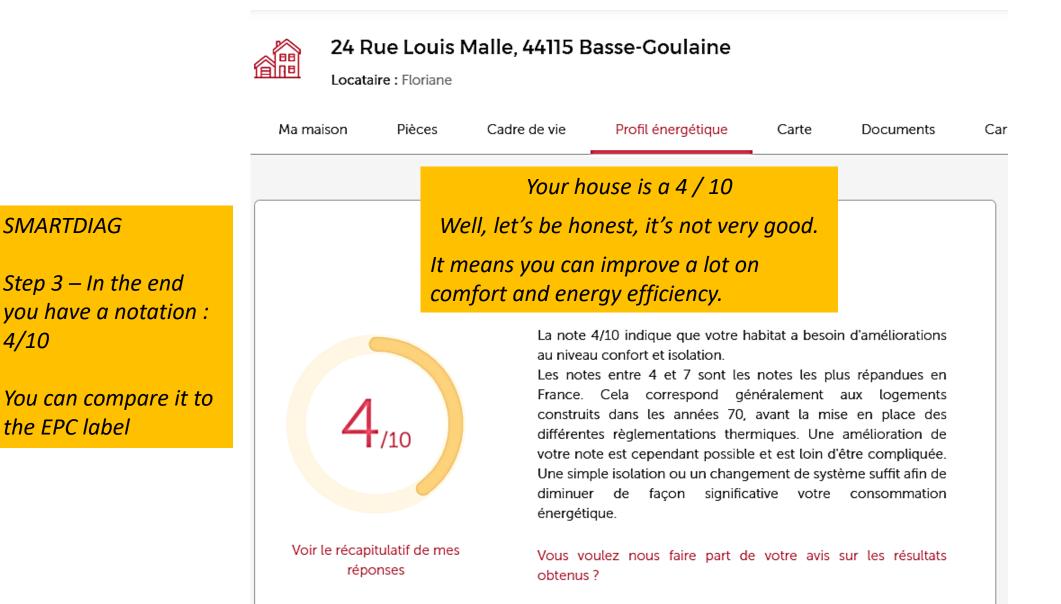






## One Stop Shop French Prototype HEERO - WIP





### One Stop Shop French Prototype HEERO - WIP



			( Zand	
	POUR COMMENCER Les travaux essentiels à réaliser	ALLER PLUS LOIN Les travaux les plus rentables	EN FAIRE PLUS Les travaux les plus efficaces pour vos économies d'énergie	
	Isolation des murs par 🗸 l'extérieur	Isolation des murs par 🗸 l'extérieur	Isolation des murs par 🗸 l'extérieur	
SMARTDIAG	Changement de fenêtres, porte- fenêtres, ou fenêtres de toit.	Changement de fenêtres, porte- fenêtres, ou fenêtres de toit.	Changement de fenêtres, porte- fenêtres, ou fenêtres de toit.	
Step 4 – You have the choice between 3	Installation d'une chaudière gaz à condensation	Installation d'une chaudière gaz à condensation	Installation d'une chaudière gaz à	
<i>roadmaps : "</i> initial", "intermediate" and	Installation d'une ventilation simple flux hygroréglable de type B	Installation d'une ventilation simple flux hygroréglable de type B	Installation d'une ventilation simple flux hygroréglable de type B	
"complete"	Isolation sur le plancher bas	Isolation sur le plancher bas	Isolation sur le plancher bas	
	Economisez jusqu'à	Economisez jusqu'à	Economisez jusqu'à	
	<b>621</b> <sup>¢</sup> / <sub>an</sub>	<b>731</b> <sup>¢</sup> /an	<b>1982</b> <sup>¢</sup> /an	
	MONTANT TOTAL : de 35 000 à 48 100 euros	MONTANT TOTAL : de 49 500 à 68 100 euros	MONTANT TOTAL : de 61 400 à 84 400 euros	



# Developing an Irish prototype

### One Stop Shop Local Implementation Group





Two workshops and many face to face meetings

# One Stop Shop

### Actors











### Customer

- Clear process
- Excellent job
- <sup>-</sup> Logical sequence
- <sup>-</sup> Certainty of grant
- <sup>-</sup> Low interest rates
- Warranties

### **Financial Institution**

- Safety net
- Supported by Central Bank
- Independent professional oversees works for compliance

### **Qualified Professional**

- \*Professional led
- \*\*Road map and strategy prevents lock-in
- Qualified person with professional indemnity

#### Qualified Main Contractor SEAI NSAI

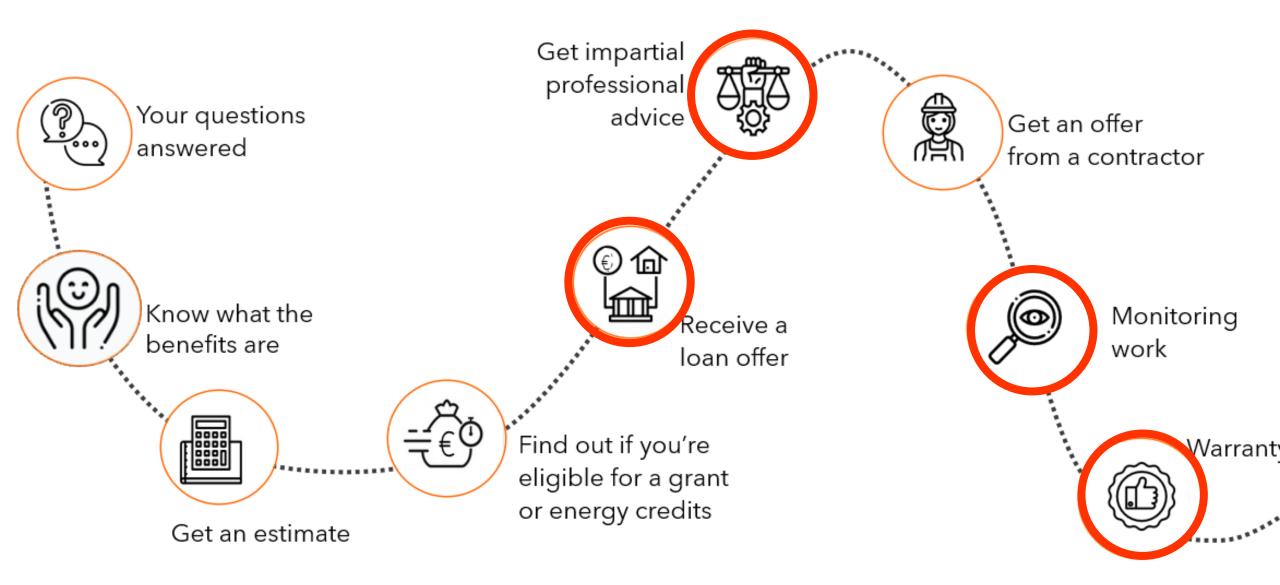
- Certainty of pipeline of work via pre qualified framework contract
- Certainty of duration of grant schemes
- <sup>-</sup> Skilled sub contractors
- Management app to scale up aggregation

\*Grant for professional project manager would be provided for this service - similar to KfW

\*\*Road map in the form of a Building Renovation Passport - logs strategy and evidence

### One Stop Shop Essential steps Ireland





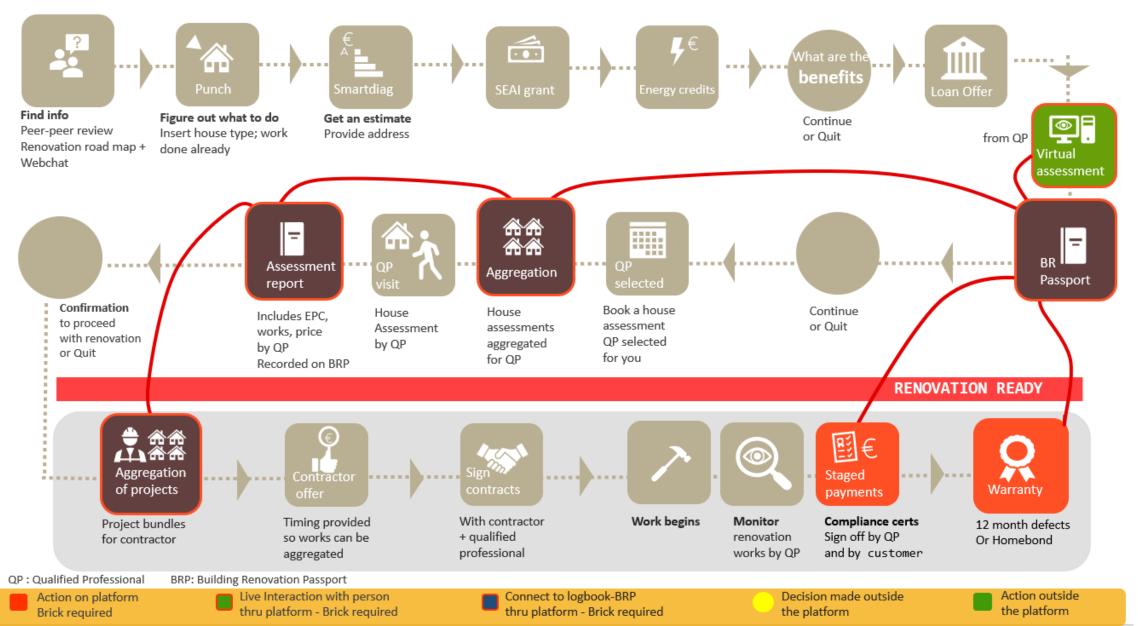
### One Stop Shop Irish One stop shop - flow diagram





### Aggregation from the logbook or BRP





One Stop Shop



EU Turnkey Retrofit project Guide your retrofit journey from start to finish



# Thank you

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We warmly invite you to the Turnkey Retrofit tomorrow to hear about the French prototype

10 a.m. 12<sup>th</sup> June 2020 If you have feedback or can help us in any aspect of the OSS minimum viable product

Contact us NUI Galway Irish Green Building Council

FUNDED BY:









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