



Plug-N-Harvest CCC Pilot Site

ORGANIZATION: CCC

PRESENTER(S): STEVE KNOWLES

MEETING: CCC PILOT SITE: FEBRUARY 2020, BRUSSELS

CCC Pilot

North

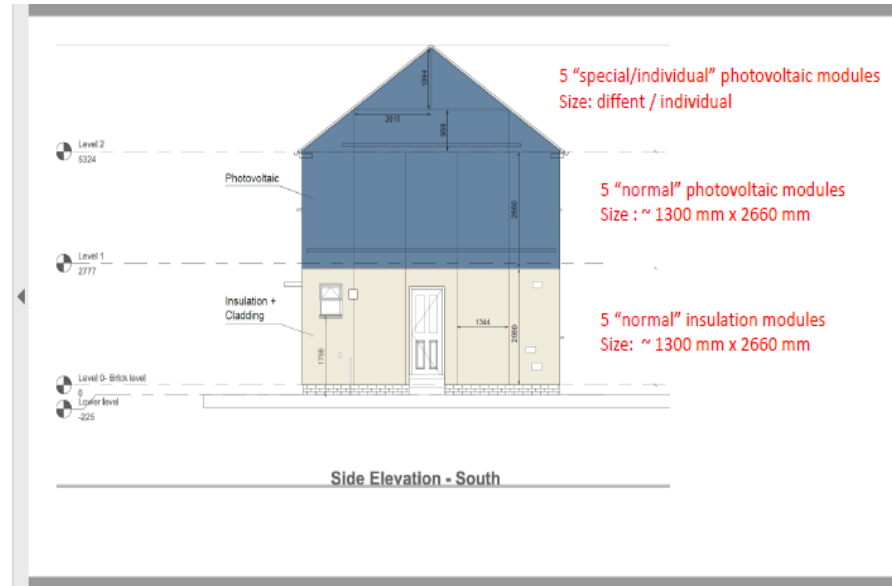


West



- Structural survey and pilot site drawings undertaken
- Pre-construction preparation (south elevation)
 - Air vents not in use to be covered.
 - Nu-Air ‘positive input ventilation’ (in roof space) to be installed in property.
 - Other preparation TBA by Garcia Faura?

PnH modules – south elevation



- PnH with solar pv on south elevation incl triangular apex.
- Principle of sharing renewable energy between properties (i.e. batteries). Installation sub-contractor proposal within budget.
- Do not recommend ventilation option.



Innovation contract requirements: Design solutions, fire and water

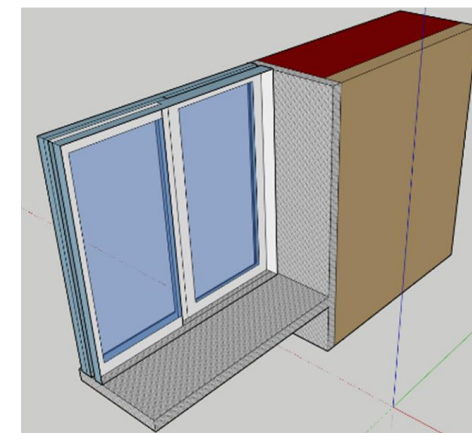
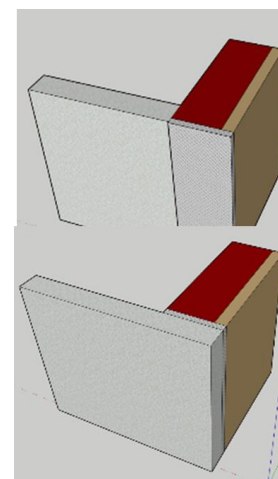
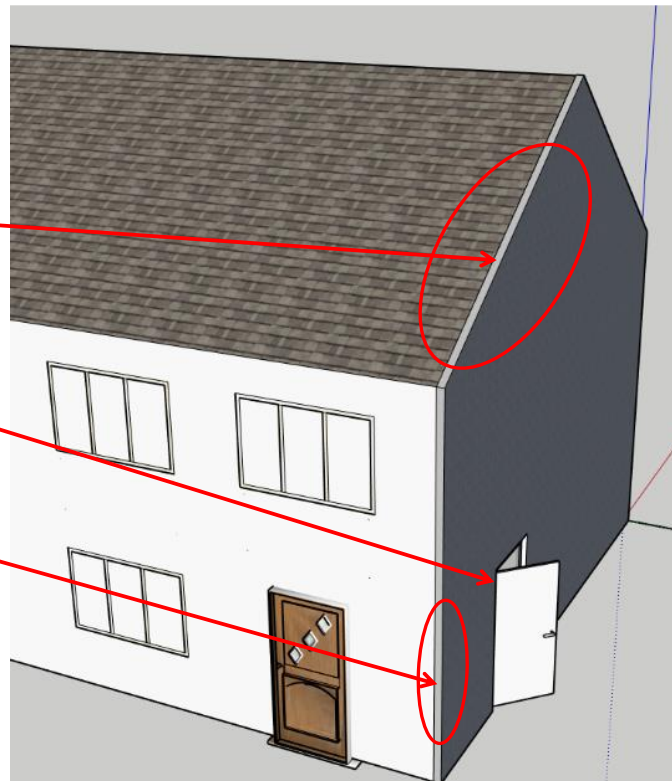
PnH on Whole South Facing Wall

Proposal for drainage and water-tightness where PnH extends beyond roof tiles??

Finishes and seals around doorways and windows??

Air vents and water drainage pipes??

Interface with standard EWI??



WP4 timetable

Responsibilities				Timeline																							
Nr.	Action	Responsible	Comments	2020												2021											
				JAN	FE	MA	AP	MA	JUN	JUL	AU	SE	OC	NO	DE	JAN	FE	MA	AP	MA	JUN	JUL	AU	SE	OC	NO	DE
6	BOQ & Budget & ADBE Suppliers	GF	input (if needed)	█																							
8	Contract signature	PnH	each pilot owner except AHC	█	█																						
9	Innovation contr. AHC-GF (IC) signature	AHC	input (if needed)			█																					
10	Pilot Diagnosis	PnH	each pilot owner				█																				
13	Detailed design adaptation for all pilots	GF	input (if needed)		█	█	█																				
2	Façade Performance Testing	GF	input (if needed)				█																				
23a	Providers + preproduction logistic	GF	input (if needed)					█	█	█																	
23b	Production	GF	input (if needed)								█																
24	Transportation	?	consider 1 week time									█															
27	Installation modules	differs	consider 1 week time										█														
22	Monitoring (pre- & post-)	PnH	input (if needed)	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█



CCC Pilot – contract documentation

CCC suggested ‘Statement of Intent’ to Garcia Faura

- CCC will require ‘installation contractor’ to procure PnH goods and additional design services from GF (*GF will not install*).

CCC held pre-tender meetings with potential installation contractors.

- Cannot go to formal tender without GF installation drawings/manual etc (April 2020)
- Require realistic goods and installation quotations before committing to deliver both CCC & CU pilot sites.



CCC Pilot Monitoring

Sensors to be installed:

- Aeotec Multisensor x 16 (Temperature, humidity, presence) – early March
- MCO Home A8 sensor x 4 (CO2) – early March
- Electricity & gas meter sensor – mid March
- Weather sensor – mid March
- Still to purchase solar radiation sensors.

Issues:

- 7 month reduced monitoring period before end September construction.



Home Assistant - Home

Overview

Map

Logbook

History

Developer Tools

Supervisor

Configuration

Notifications

iotadmin

Updater: Aeon Labs ZW100 MultiSen_6 Sensor

knasmin

24.5

0.0

39.0

0.0

0.0

100

0

0

0

Sun

AEON Labs ZW100 MultiSensor 6 Battery Level

39.0 % Humidity

Z-Wave

AEON Labs ZW090 Z-Stick Gen5 EU Ready

AEON Labs ZW100 MultiSensor 6 Ready

AEON Labs ZW100 MultiSensor 6 Temperature

AEON Labs ZW100 MultiSensor 6 Luminance

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Showing entries for * February 23, 2020 1 week

On

Updating

Below horizon

Platy

On

config entry discovery

sun

Home

iotadmin

aeon labs zw090 z stick gen5 eu

aeon labs zw100 multisensor 6

aeon labs zw100 multisensor 6 ultraviolet

aeon labs zw100 multisensor 6 sourcenoded

aeon labs zw100 multisensor 6 burglar

aeon labs zw100 multisensor 6 sensor

aeon labs zw100 multisensor 6 alarm type

aeon labs zw100 multisensor 6 alarm level

AEON Labs ZW100 MultiSensor 6 Temperature

AEON Labs ZW100 MultiSensor 6 Luminance



THANK YOU

