



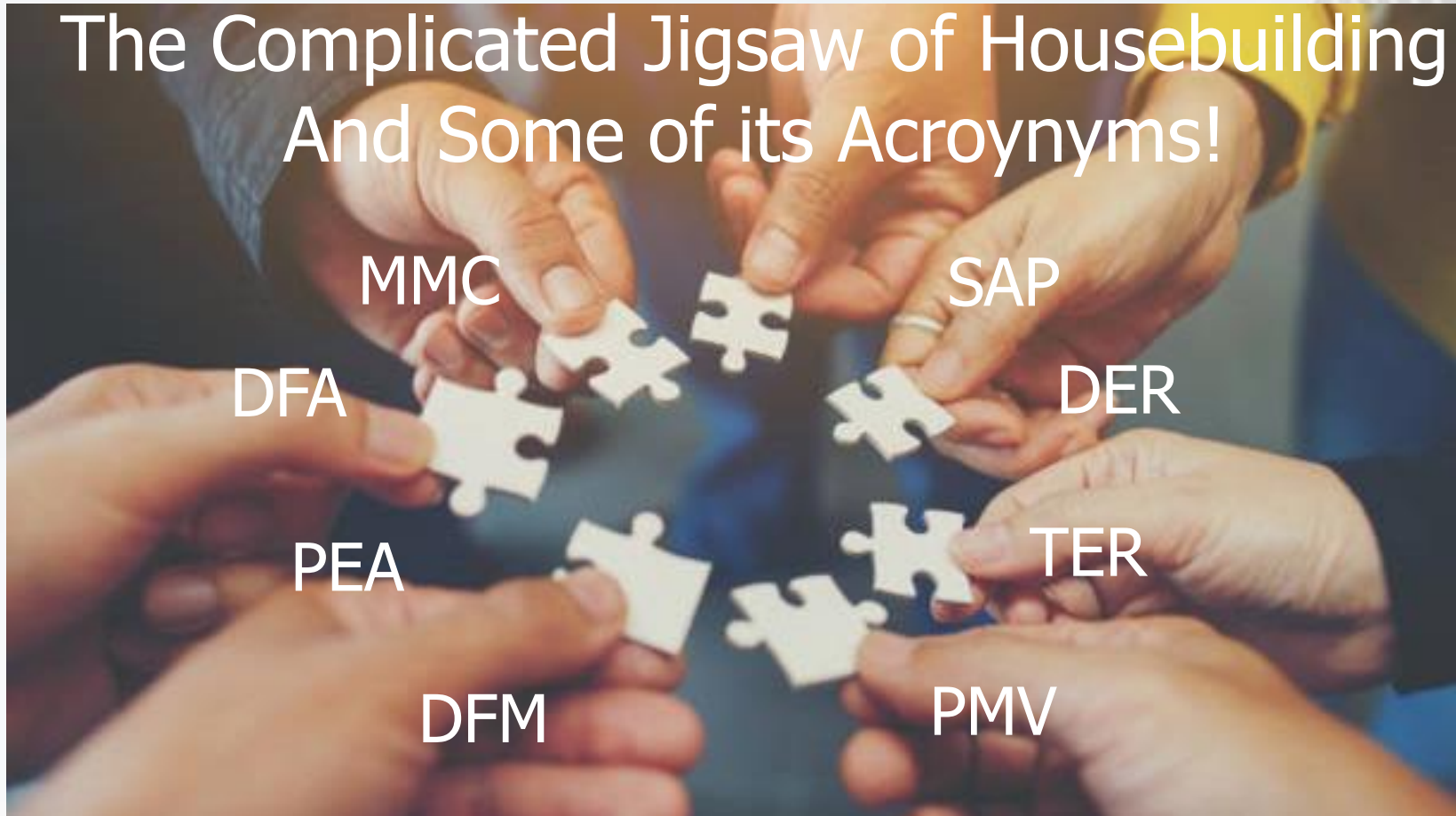
Property Developer AND



Timber Frame Manufacturer



The Complicated Jigsaw of Housebuilding And Some of its Acroynyms!



MMC

SAP

DFA

DER

PEA

TER

DFM

PMV

MMC



Why is this important??
The Affordable Homes
Program from Homes England
requires 25% of new homes to
be built with MMC and to have
a PMV value of 55%

PMV

Pre-Manufactured Value (PMV %)
is the financial proportion of a construction project's Gross
Construction Cost derived through pre-manufacturing





Power of Collaboration and Operational Efficiencies



FREEDOM

FOCUS

A-Z



The Staircraft Difference

The Best Performing Floor-Kits on the Market

Save at Least One Hour on Installation

Reduce Waste Costs by up to 75%



A true partnership



Working in partnership to deliver healthier, more sustainable homes



Building brighter and healthier homes



PART L Compliance are Air Source Heat Pumps the Only Solution?



Elite NuGEN 10 Ordnance Yard | An affordable Net-Zero Home



NET ENERGY CONSUMPTION

-91 kWh



NET CO2 EMISSIONS

-90 kg



ANNUAL ENERGY BILLS

£145

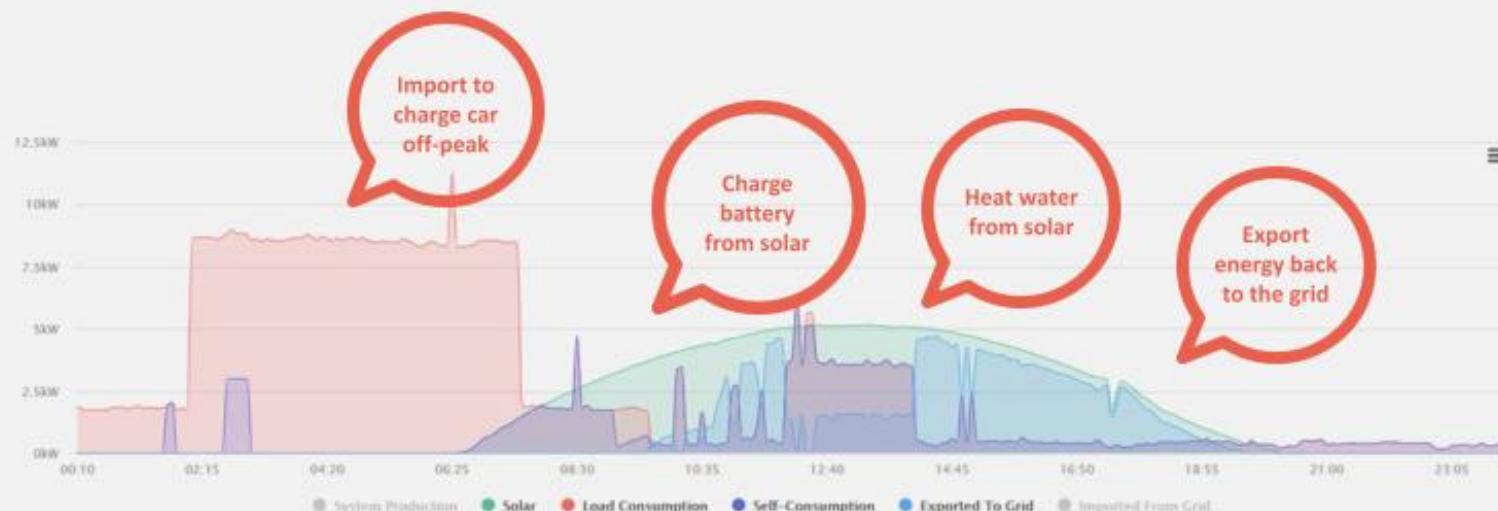
Intelligent Living which does not cost the earth

Elite NuGEN 10 Ordnance Yard | An affordable Net-Zero Home

Actual Performance | From 24-Jun to 31-Oct-2021 Inclusive

WITHOUT ELECTRIC CAR	Wondrwall	ASHP	WW vs ASHP
Energy Imported	1204 KWH	2206 KWH	-1002 KWH
Import Timing	Off-peak	24/7	
Energy Exported	1579 KWH	0 KWH	1579 KWH
Net Energy Consumption	-375 KWH	2206 KWH	-2581 KWH
Net CO2 Emissions	-60 KG	325 KG	-385 KG
Energy Bill	£21	£433	-£412

Performance Analysis | With Electric Vehicle Charging



WITH ELECTRIC CAR*	Elite house w/ Wondrwall & EV	Gas SH/DHW & Petrol Car	
Net CO2 Emissions	39 KG	1447 KG	-1409 KG
Energy Bill	£166	£764	-£598

Note: the house switched from Octopus Agile to Octopus Go on 25/October. This tariff is specifically for EV charging so energy bills will reduce significantly as a result. If they had used Octopus GO initially, the energy bills would have been £82.

How do they look?



We have a smart, eco-friendly home that costs us next to nothing to run and pinch ourselves every day because we still can't quite believe we are living here!"

Elite NuGEN Homeowner



Lessons Learnt

- Importance of Partnerships and commitment to creating long term supply relationships benefits all parties beyond product and price
- Operational Efficiencies both on and off site
- Fractional Savings Add up
- Fabric First Approach using as many sustainable and recyclable products pays off
- Full integration of MMC and as many elements of it with PMV brings huge benefits
- With MMC and PMV Products if at first you don't succeed try try and try again
- The Power of Sharing
- There's not a one size fits all to creating Zero Carbon Low Energy Homes

Thank you!