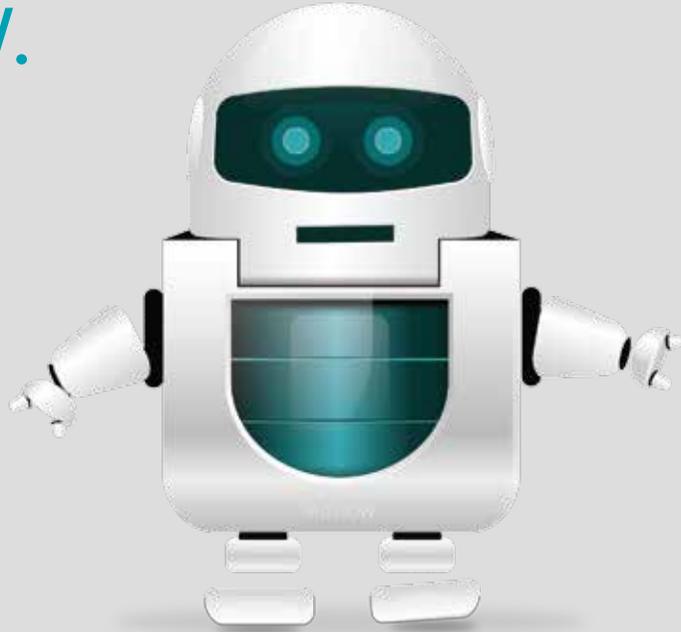


maslow.



meet maslow.
smart energy storage
for your solar powered home.

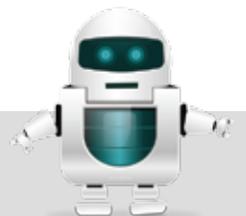
www.meetmaslow.com

www.moixatechnology.com

distributed energy storage at the edge of the grid

6th Smart Grids & Cleanpower 2014
3-4 June, Cambridge, UK
www.hvm-uk.com/smartgrids2014

Chris Wright - CTO - Moixa Technology
chris@moixaenergy.com
07798 796560



light your home with
energy efficient
DC LED lighting



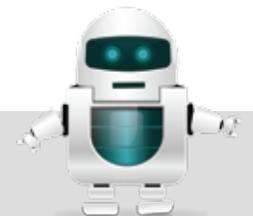
maslow stores the energy
from your solar panel
generate energy during the day...
use it at night

- 1kWh and 2kWh versions
- internet connected
- wall mounted (briefcase size)



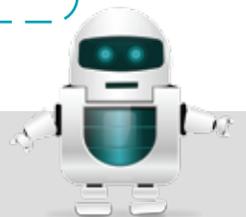
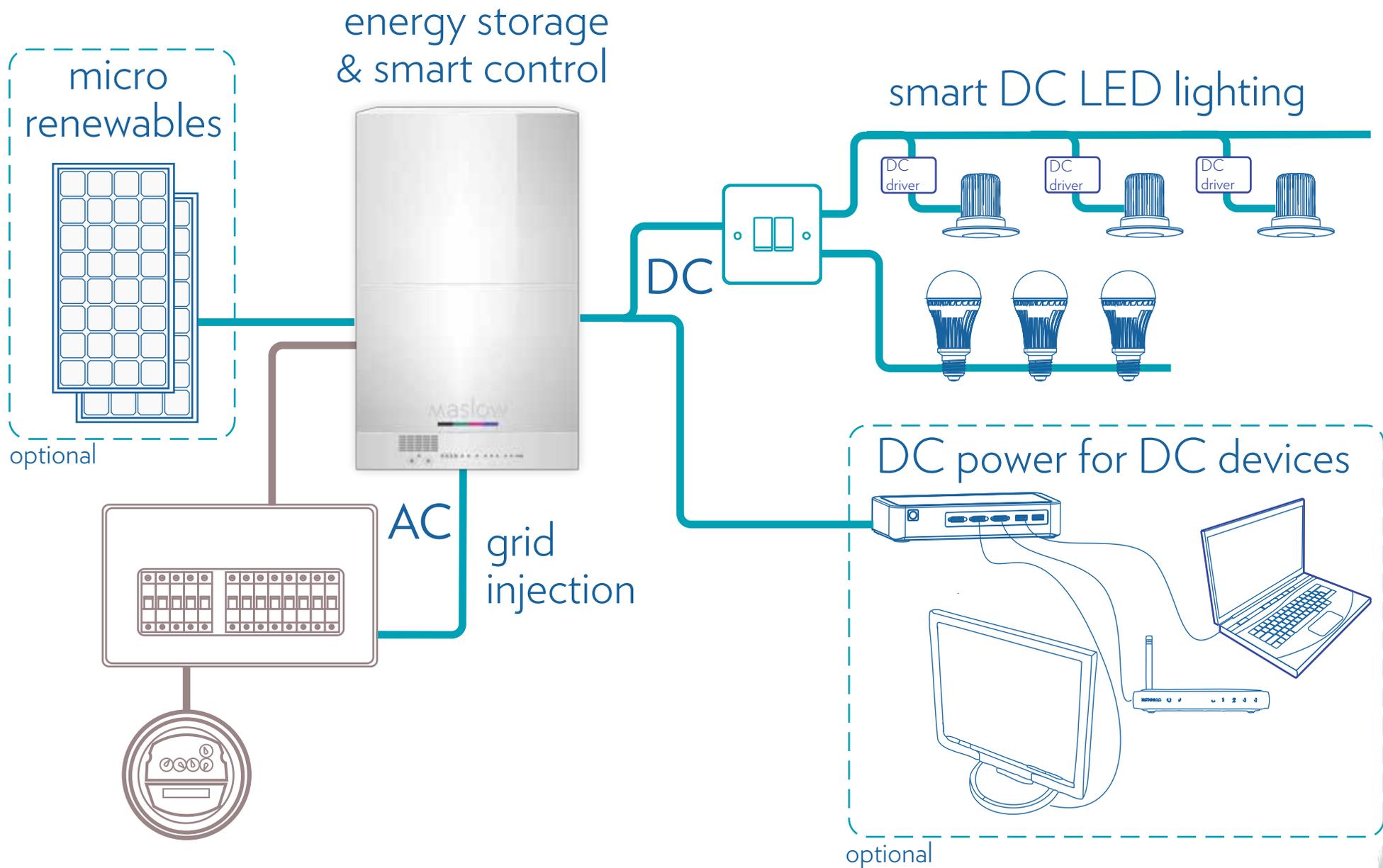
power the things
you need everyday

meet maslow.
smart energy storage
for your solar powered home.



recharge your home.

maslow. power lighting & electronics



maslow. control & aggregation platform



interface to NG



system performance



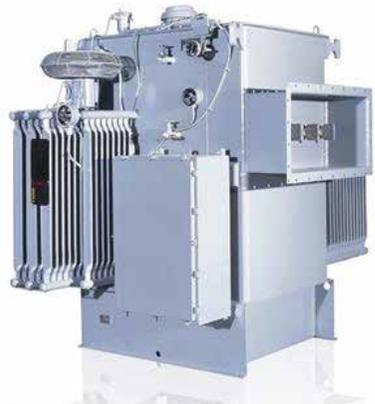
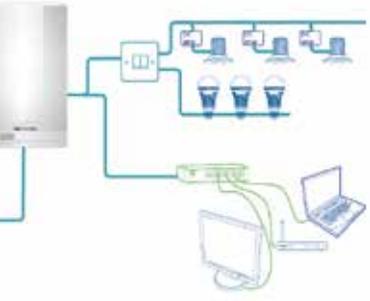
maslow systems



ethernet

GPRS

WiFi



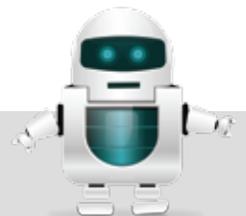
local substation live data

Push data
1 min JSON

Push data
1 min JSON

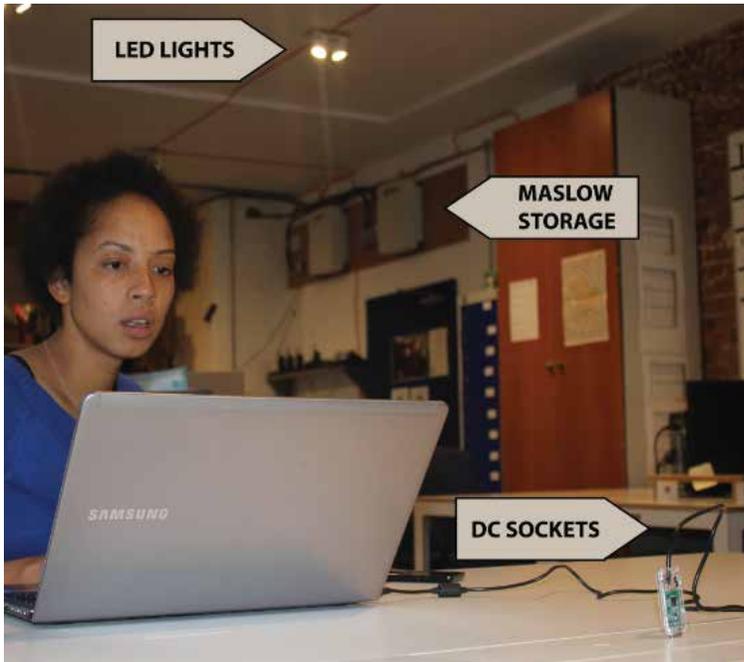


wind output data

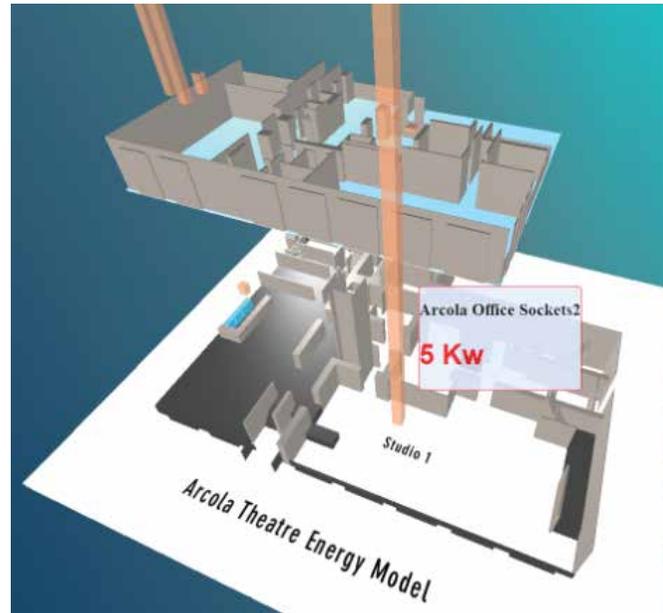


maslow. data flow, from wall socket to city scale

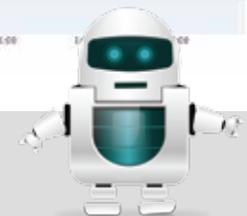
desk



building



city



recharge your home.



maslow. impact of energy storage on the grid

local renewables use
more PV possible
local DC power
grid upgrade cost
local resilience
peak grid

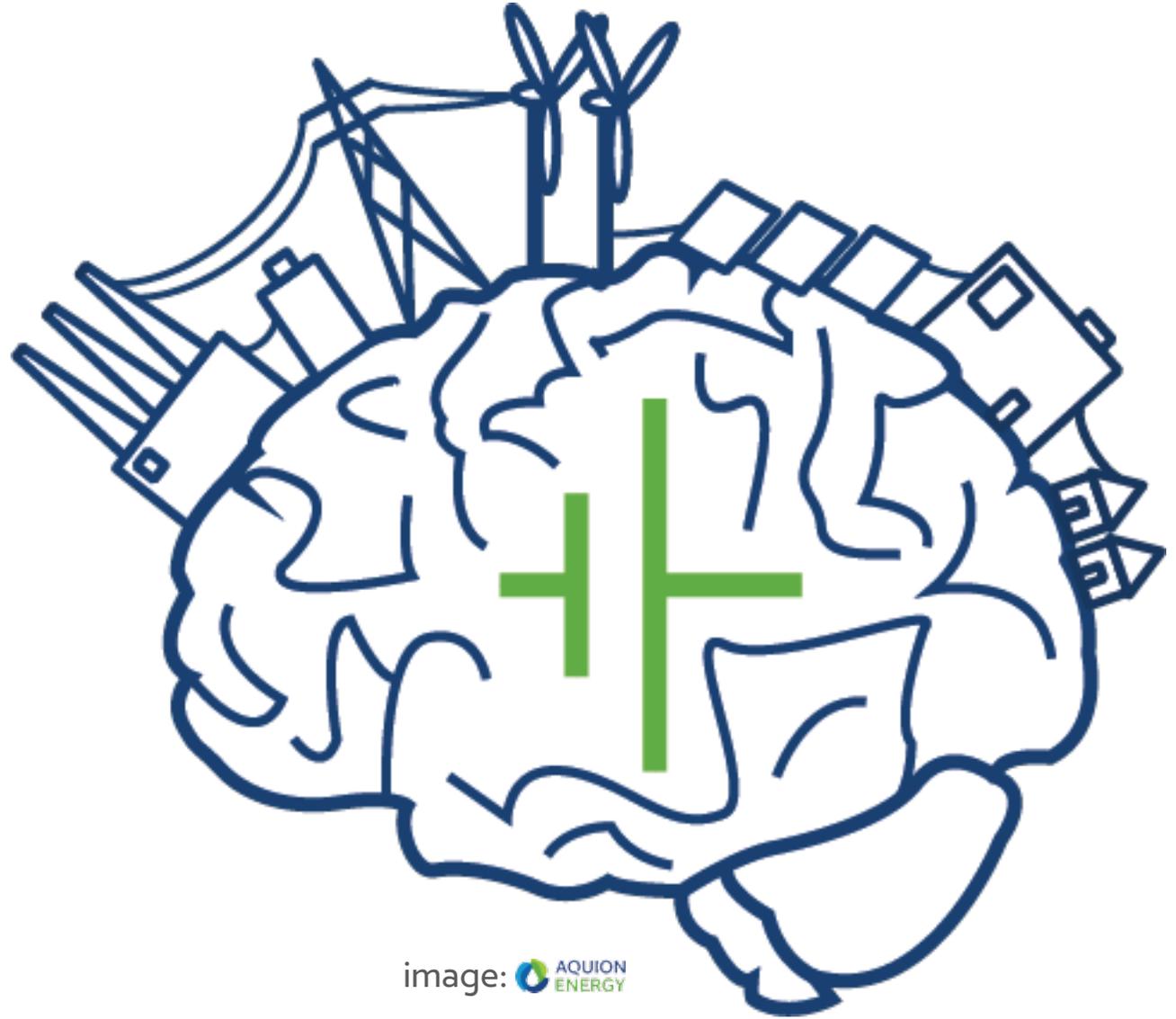
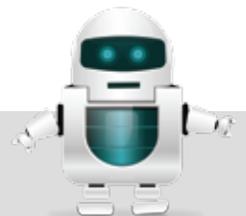


image:  AQUION ENERGY

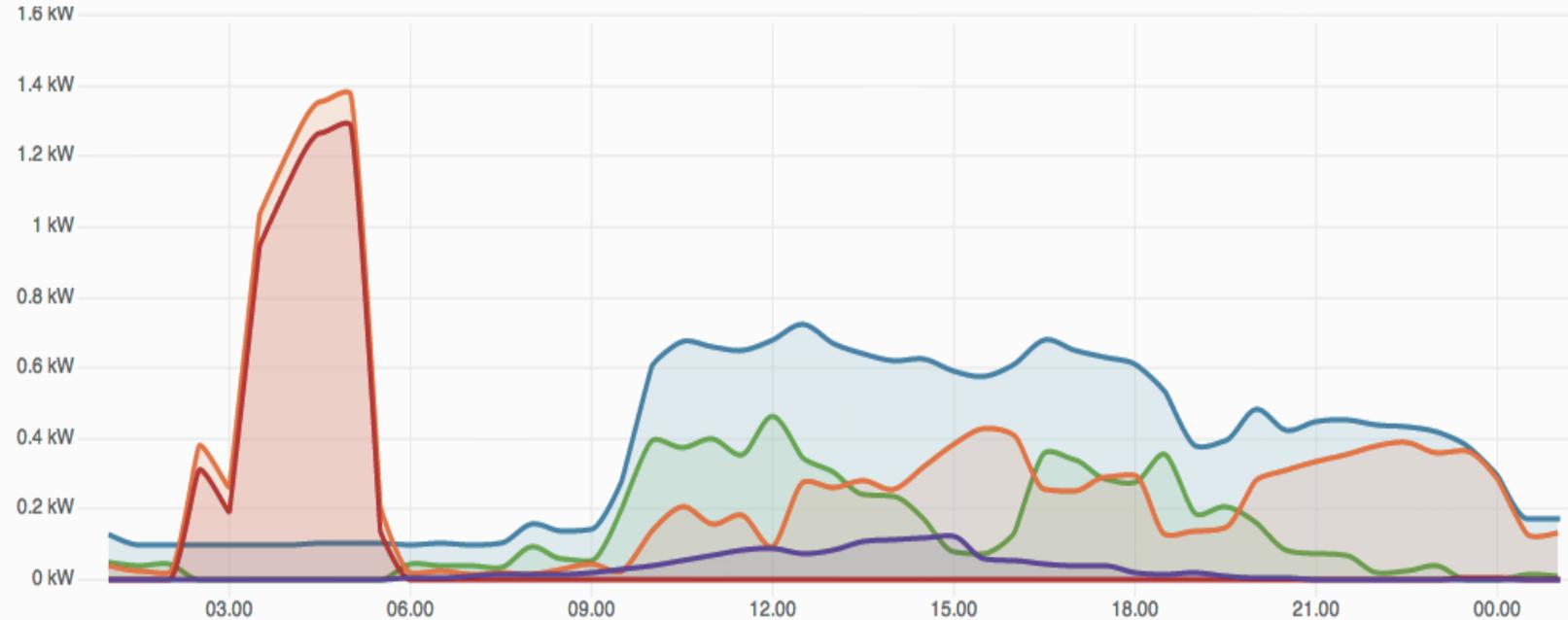
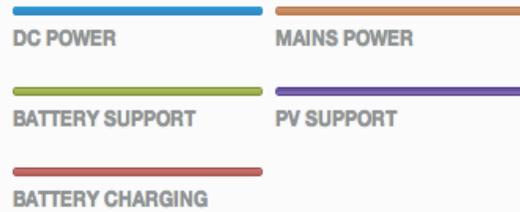


maslow. more homes than mountains with lakes...



maslow. aggregate impact, peak energy shift

Yesterday



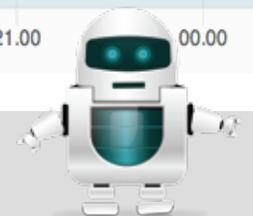
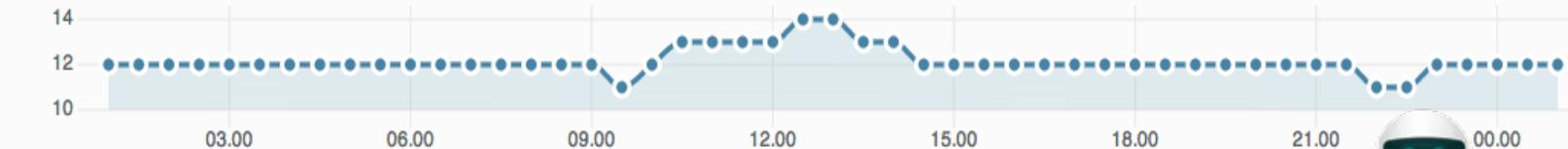
6.99 kWh

STORED ENERGY

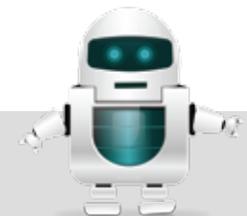
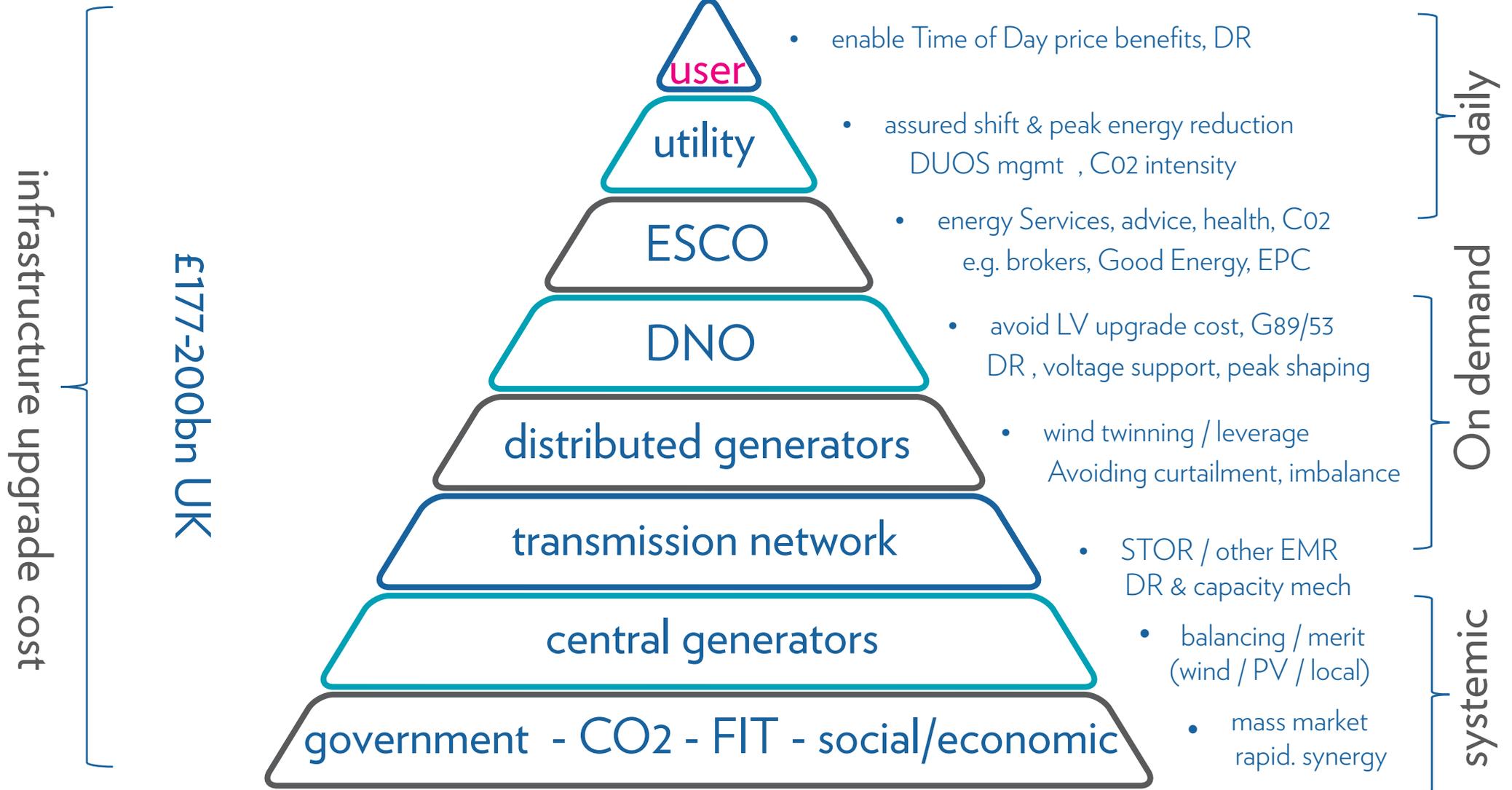


12

MASLOW UNITS ONLINE



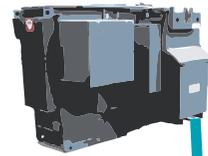
maslow. hierarchy of network benefits



maslow. localised aggregate systems



electricity substation

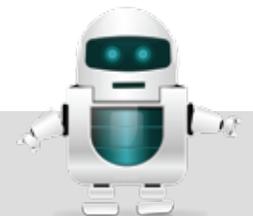


local clusters of maslow systems

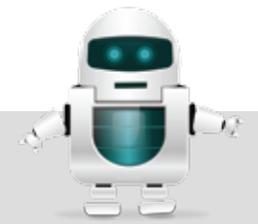
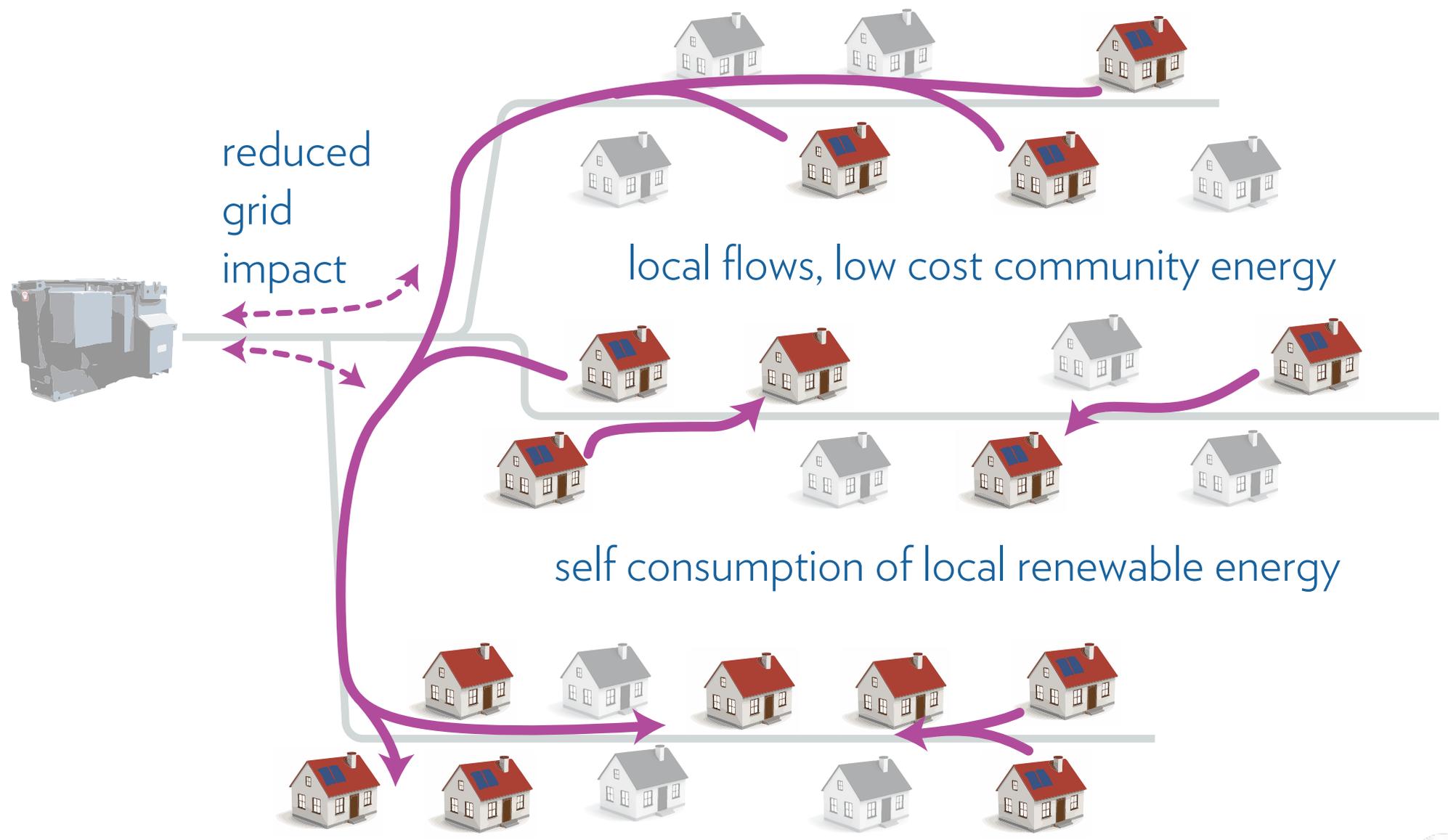
some, but not all with solar PV

localised self consumption increased,
community energy benefits.

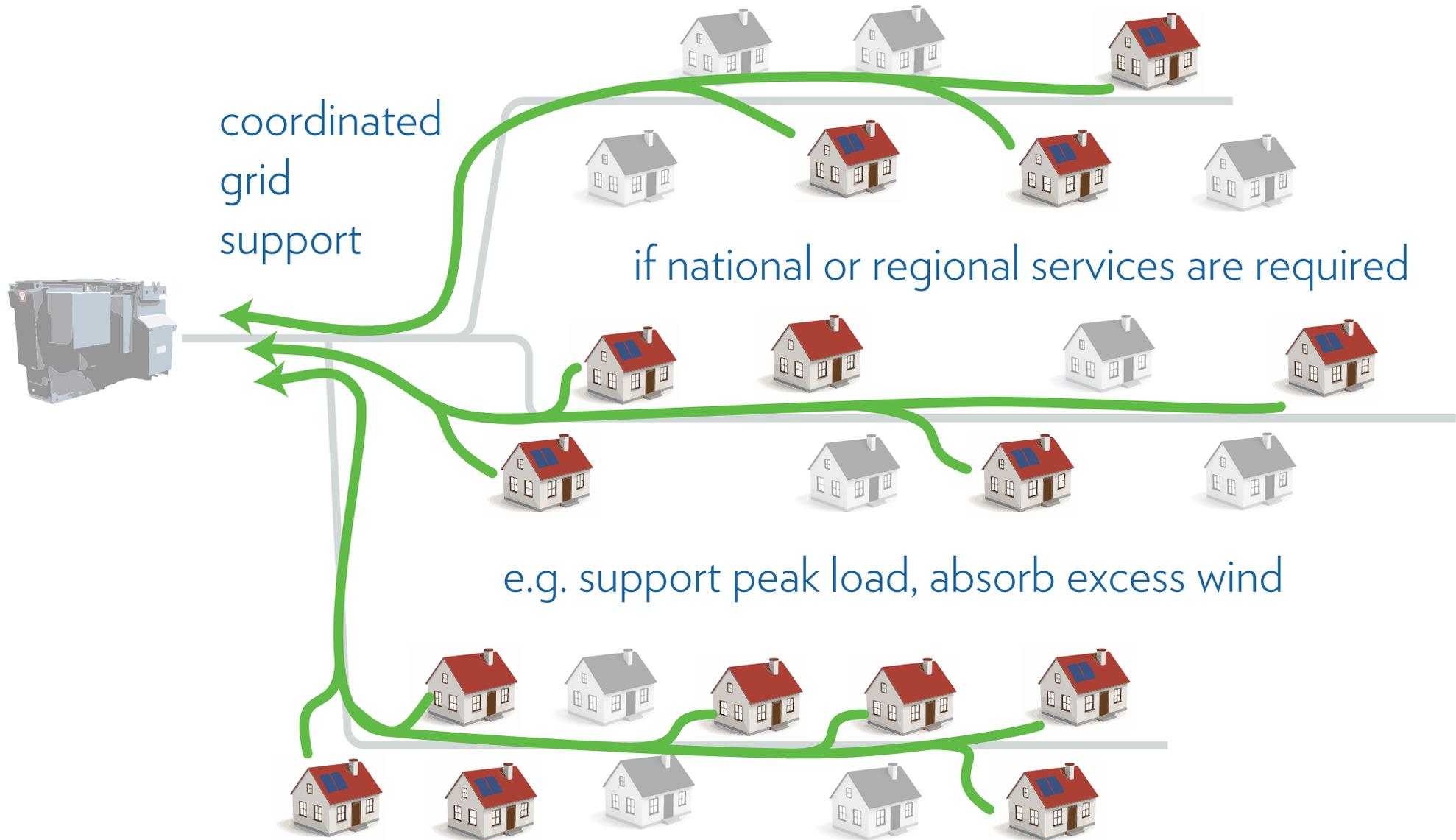
community energy control system, managing benefits & services



maslow. local energy flows, low cost energy.



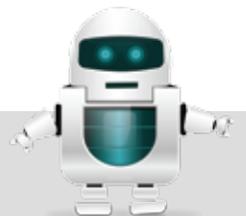
maslow. coordinated action to support grid



coordinated
grid
support

if national or regional services are required

e.g. support peak load, absorb excess wind



maslow. roll out & impact

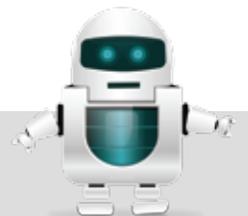


Department
of Energy &
Climate Change

300 home demonstration contract
0.5MWh aggregate. 2013 - 2015



consumer product launch
march 2014

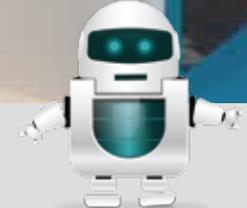


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www.meetmaslow.com



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recharge your home.

maslow.



distributed energy storage at the edge of the grid

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