

Swiss Living Challenge

Project for the



U.S. DEPARTMENT OF ENERGY
SOLAR DECATHLON

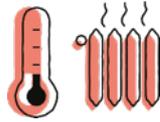


Solar Decathlon Competition

Swiss Living Challenge



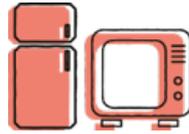
Architecture



Health and Comfort



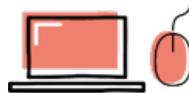
Market Potential



Appliances



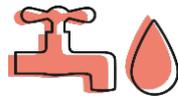
Engineering



Home Life



Communication



Water Management



Innovation



Energy balance



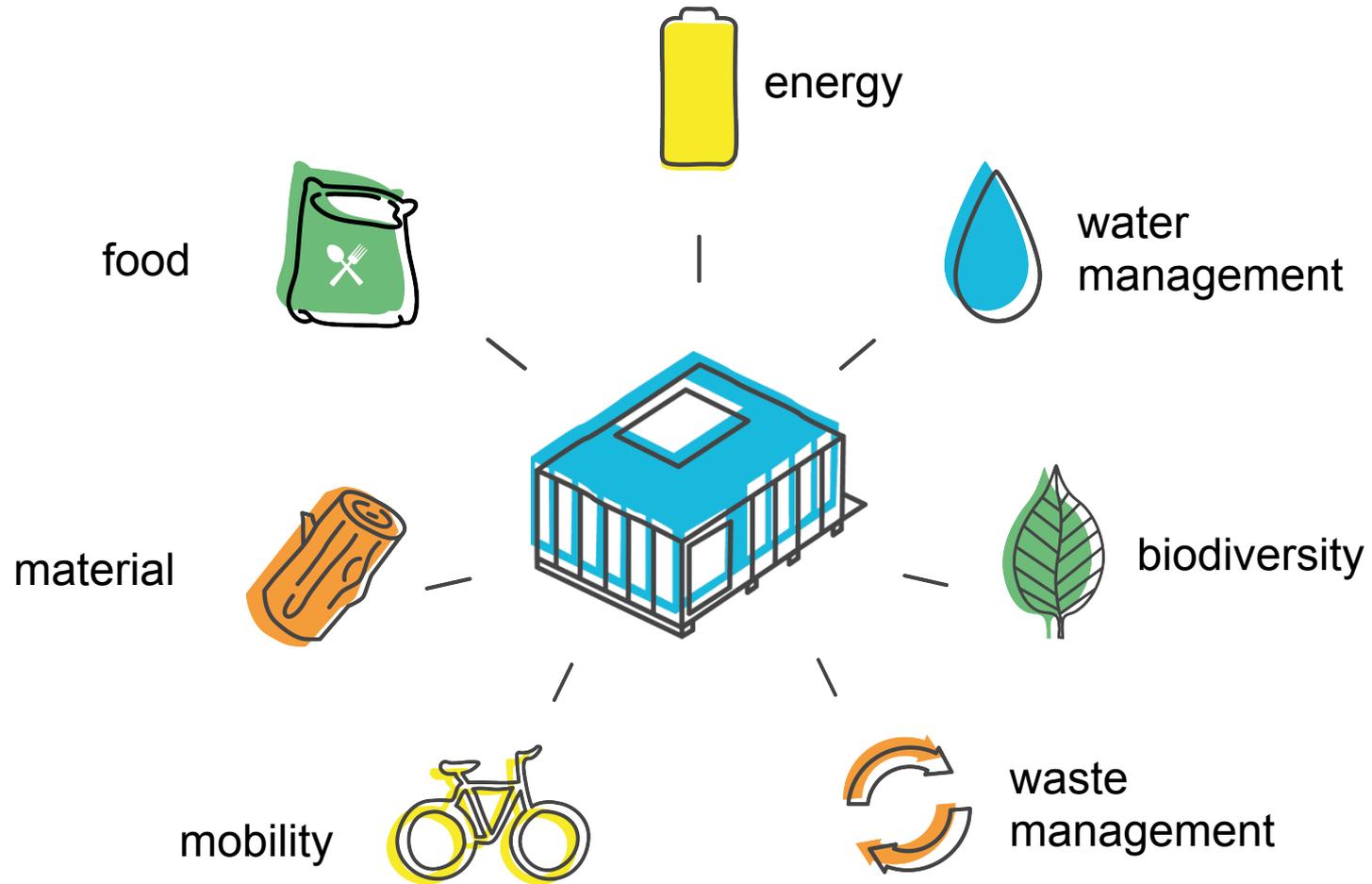
In Denver,
Colorado

10 contests

NeighborHub

An innovative way of reducing energy consumption and preserving natural resources within urban communities

7 driving themes





the construction















the competition





NeighborHub victory

Swiss Living Challenge

1st place Architecture

Swiss Living Challenge



1st place Architecture

Swiss Living Challenge



1st place Architecture

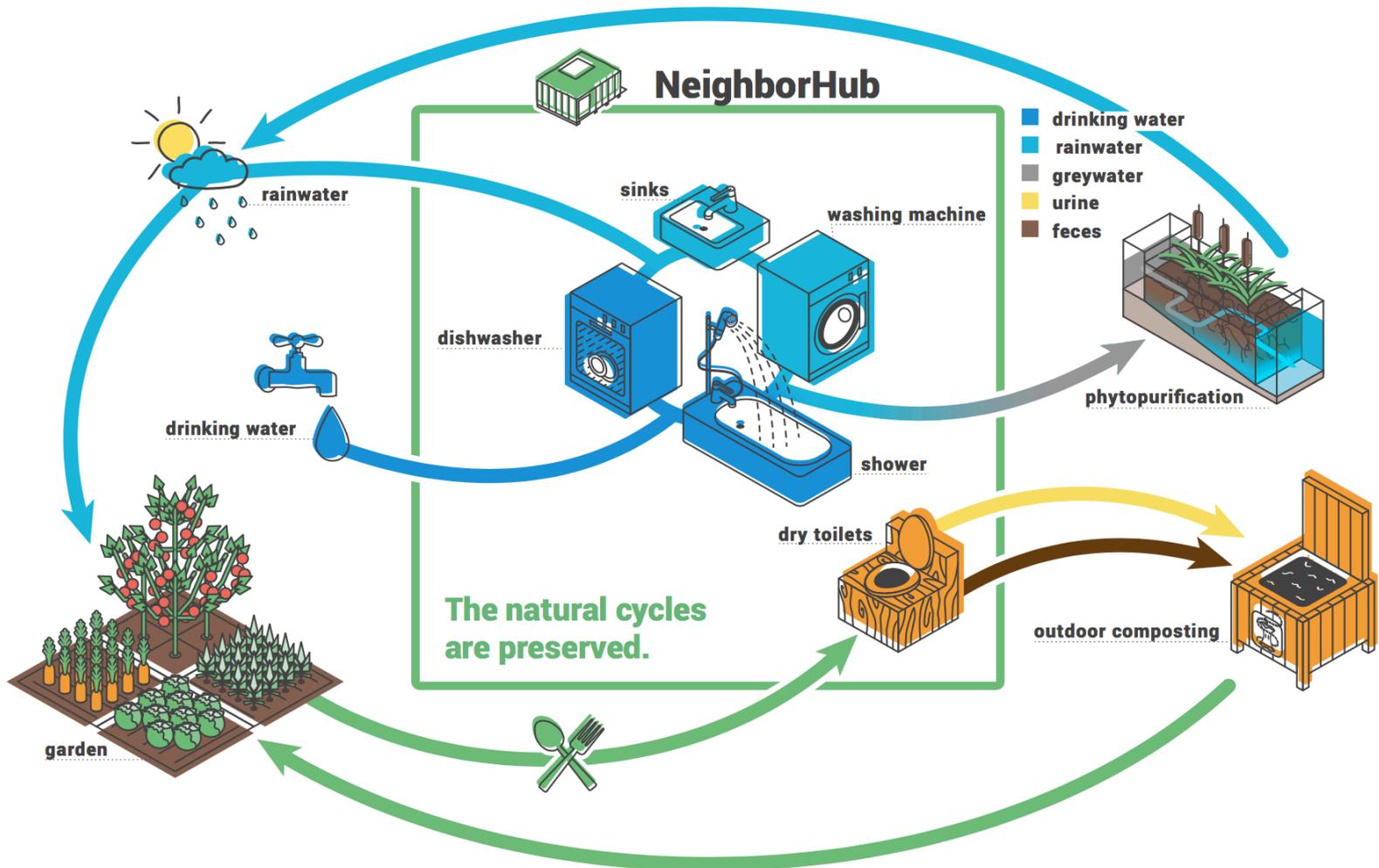
Swiss Living Challenge



wanna

know

more ?



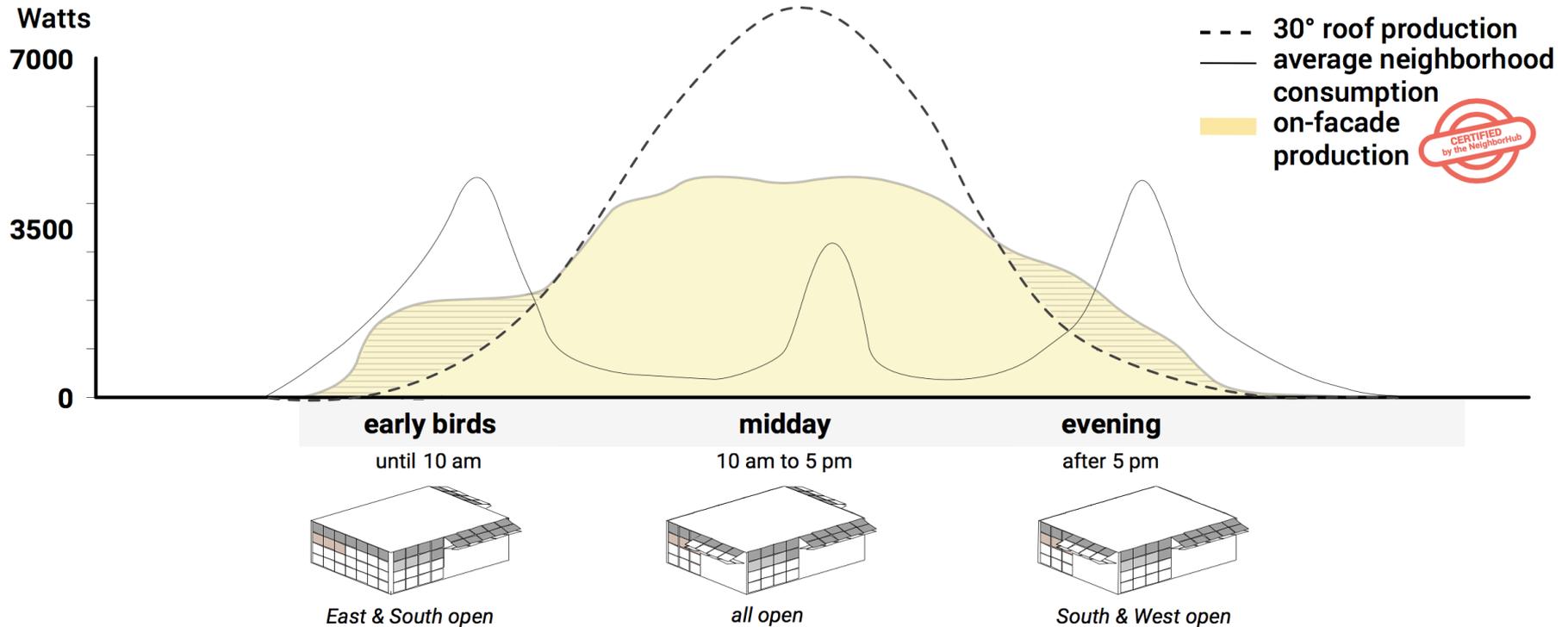
Recreating natural cycles
Reducing consumption
Greening the city

1st place Water management

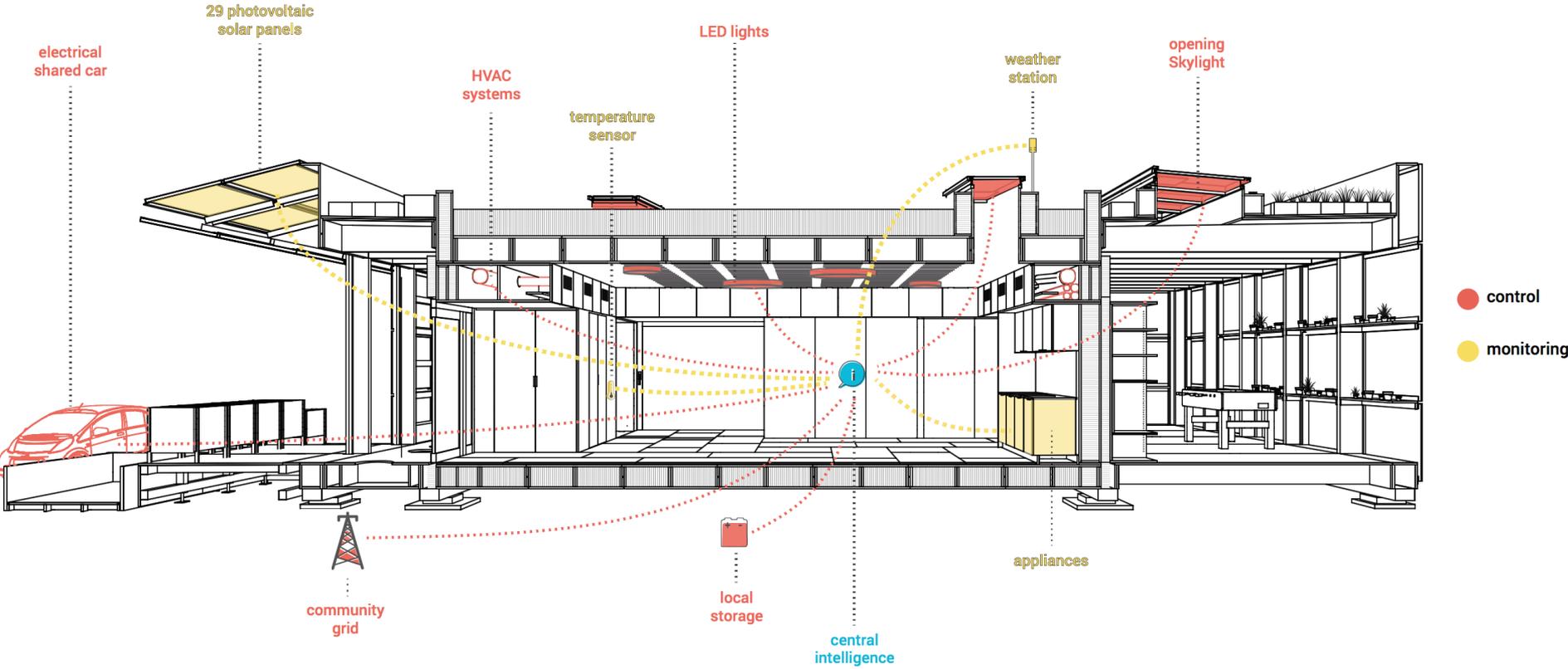
Swiss Living Challenge



Matching consumption and production



29 PV panels exclusively on facades
9.715 kWp installed on East, South and West orientations



Welcome to the NeighborHub 10:17 AM 08/08/2017 Core 22.5 °C Skin 22.5 °C Out 25.2 °C

Tips - lighth consumption

6 minutes ago :



Hey !

It seems that your indoor light intensity is too important !

If the outside environment provides sufficient natural daylight, it is possible to turn off the lights in order to reduce the household energy consumption.



Visit

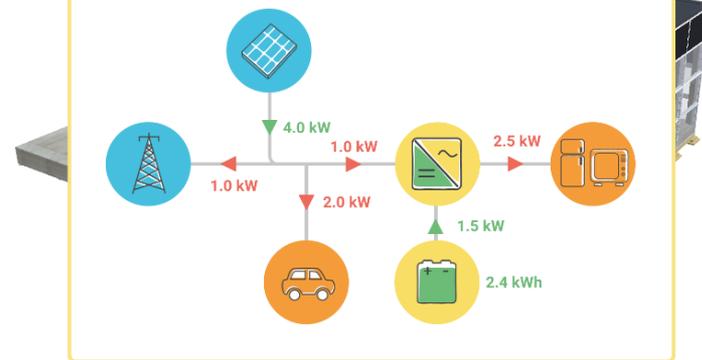
Controls/
monitoring

How
it works

Controls and monitoring

10:16 AM 08/08/2017 Core 22.5 °C Skin 22.5 °C Out 25.2 °C

Battery status



▶ Lights

▼ Electric
Energy

View
consumption

View
production

Battery
status

▶ Electric
Car

1st place Overall

1st Architecture

1st Water

1st Engineering

3rd Communication

10th Innovation

11th Market Potential

1st Health & Comfort

2nd Appliances

1st Home life

1st Energy



TOTAL : 873.409 pts

