

BURO HAPPOLD

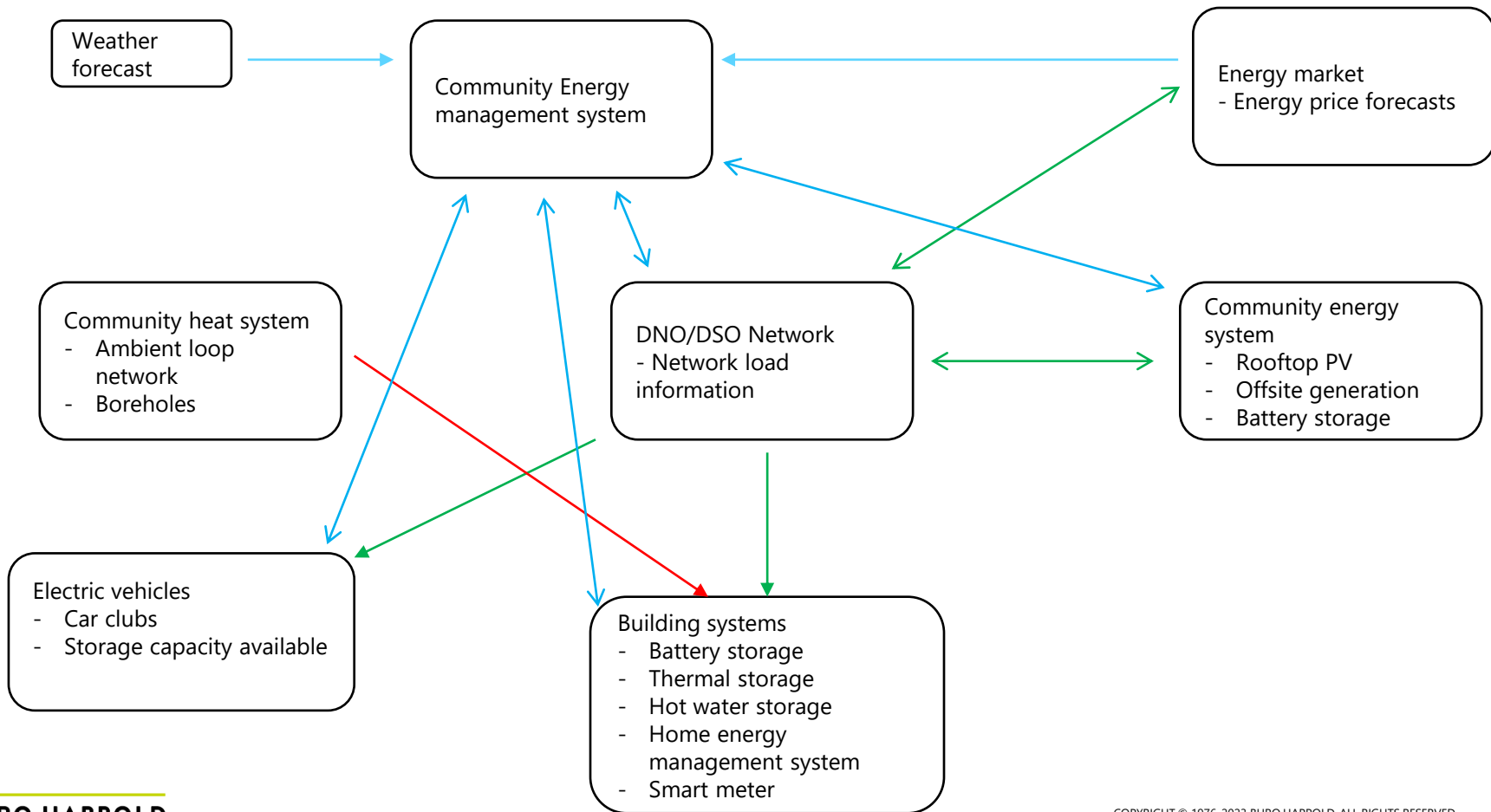
Terraced street decarbonisation

System architecture

Document number here

18 April 2023

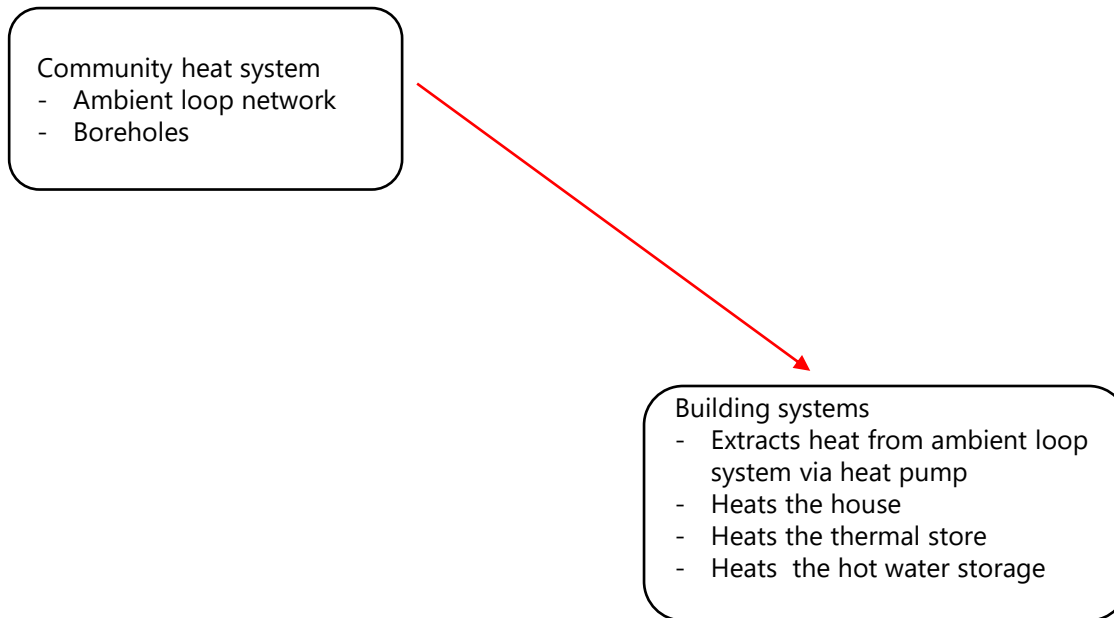
- ← Power flows
- ← Heat flows
- ← Data flows



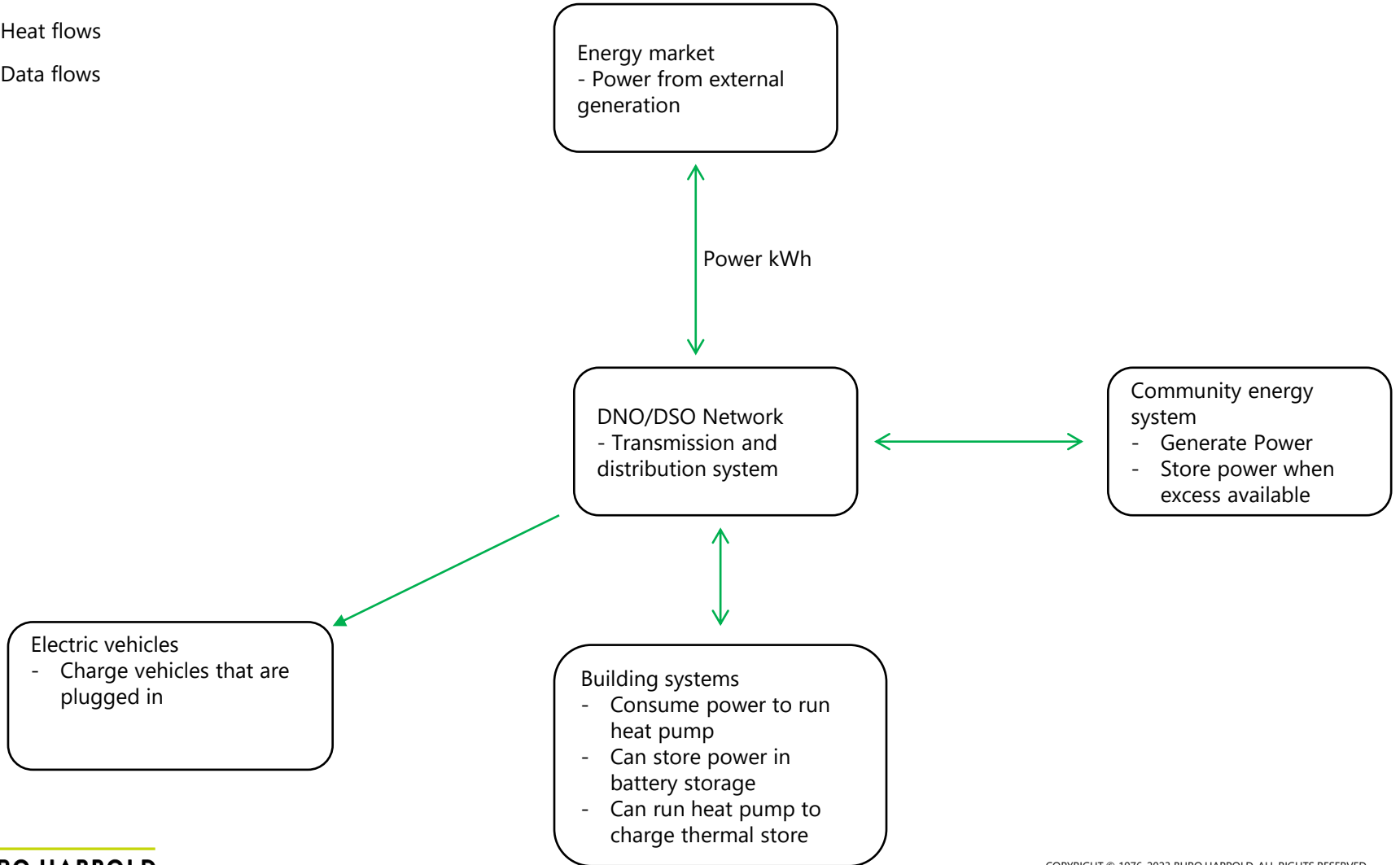
← Power flows

← Heat flows

← Data flows



- ← Power flows
- ← Heat flows
- ← Data flows



← Power flows

← Heat flows

← Data flows

← Controls

Weather forecast
- When is the sun going to shine to generate PV

Electric vehicles
- Connection capacity available kW
- Storage capacity available kWh

Hot water storage
- Connection size kW
- Total storage Capacity kWh
- Target storage capacity kWh

Thermal storage
- Connection size kW
- Total storage Capacity kWh
- Target storage capacity kWh

Battery storage
- Connection size kW
- Total storage Capacity kWh
- Target storage capacity kWh

Community Energy management system
- Forecast generation potential
- Total capacity size available kW
- Total storage capacity available kWh
- Flexibility available
- Control implementation

Energy market
- Energy price forecasts
- Flex requirements

DNO/DSO Network
- Network load information
- Flex requirements

App

Community energy system
- Rooftop PV
- Offsite generation
- Battery storage

BURO HAPPOLD

JUMP ON BOARD!

We'd love to hear from you

Name Surname

name.surname@burohappold.com

www.burohappold.com