



DESIGNETZ – A DECENTRALISED AND SELF-ORGANISING INTEGRATED ENERGY SYSTEM OF THE FUTURE

Geçündet durch:



Bundesministerium
für Wirtschaft
und Energie



SINTEG
Stromintegrated Network Energy Group



PTU
Projekt Technologie und Umwelt

aufgrund eines Beschlusses
des Deutschen Bundestages

OUR OBJECTIVES:



Towards a successful
energy transition:



At lowest possible
societal cost...

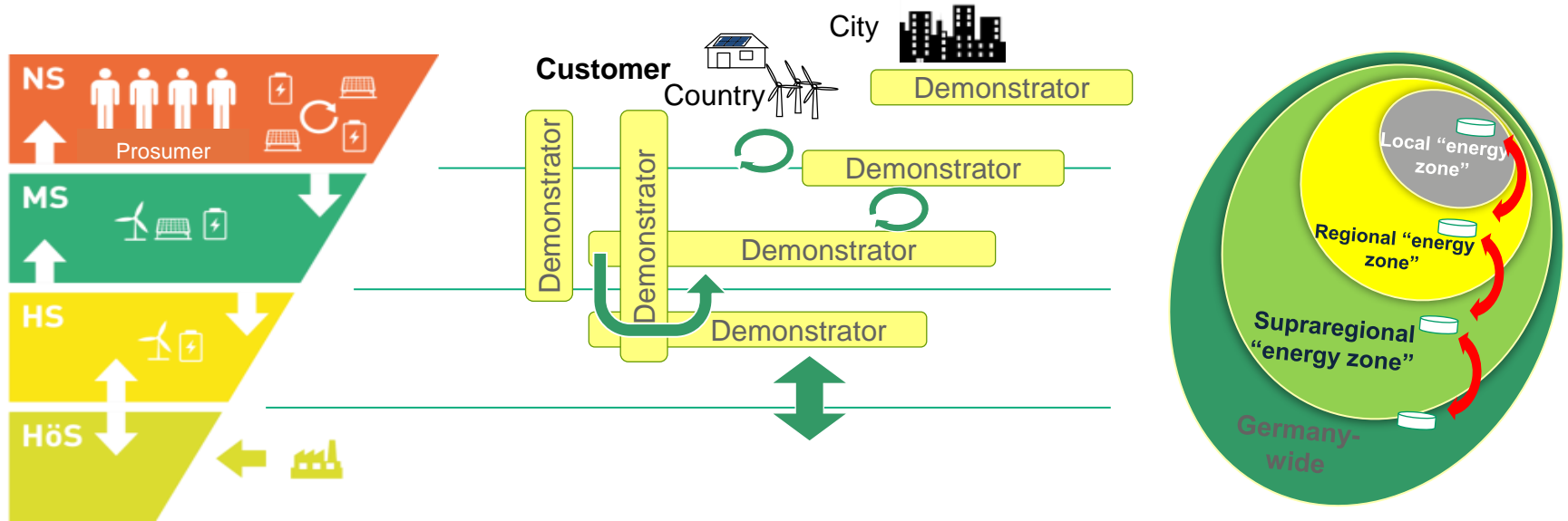


...while preserving
security of supply...



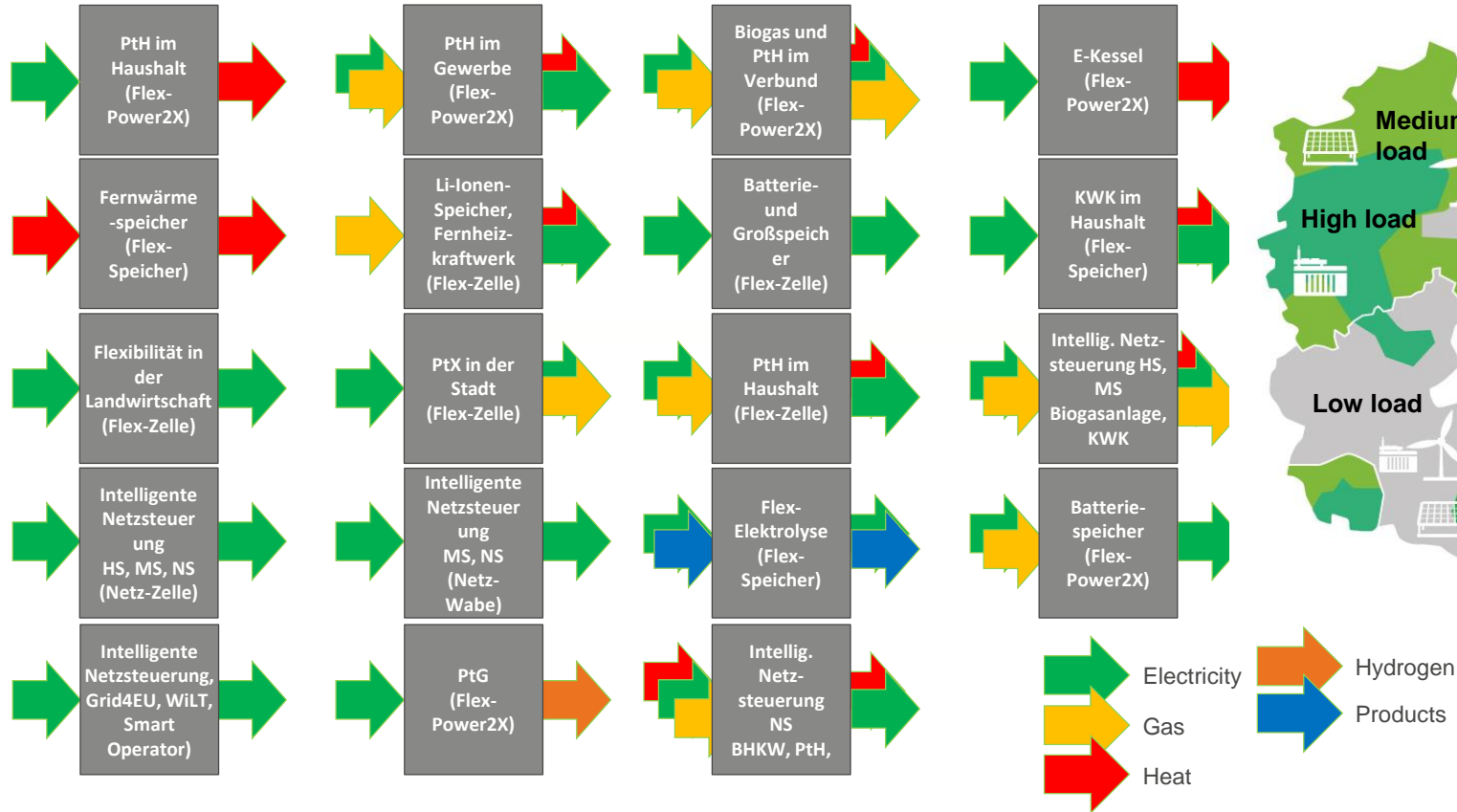
...and generating
acceptance through
decentral structures,

SOLUTIONS WHICH ENSURE THAT THE REGION ACTUALLY BENEFITS FROM THE ENERGY TRANSITION

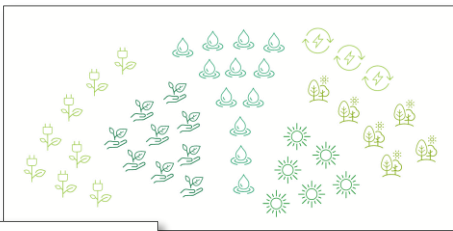


We steer the flow of energy in a targeted way using information and communication technologies.

HETEROGENEITY ENABLES UNIVERSAL SOLUTIONS

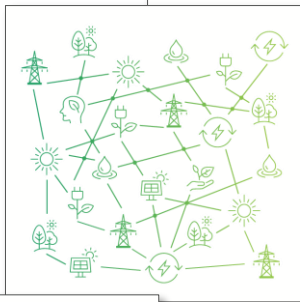


A DECENTRAL APPROACH: DESIGNNETZ



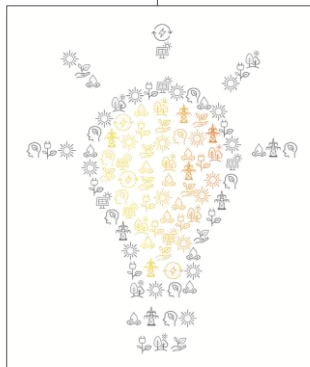
WE ORCHESTRATE THE ENERGY TRANSITION WITHOUT A CENTRAL CONDUCTOR

➔ Self-organising system



WE DEMONSTRATE ENERGY FLOWS OF THE FUTURE WITHOUT SPECIFYING ROUTES

➔ less regulation – more market forces



WE RELY ON DISTRIBUTED INTELLIGENCE AND RELEASE THE ENERGY OF MANY

➔ acceptance & participation

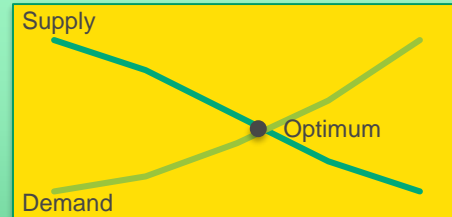
LESS REGULATION – MORE MARKET FORCES: EFFICIENT MARKET-BASED STRUCTURES

Incentives

through regulation

Business Cases

for suppliers and
users of flexibility



leads to an overall
optimum

DESIGNETZ PROVIDES SOLUTIONS INCORPORATING DIFFERENT SECTORS

