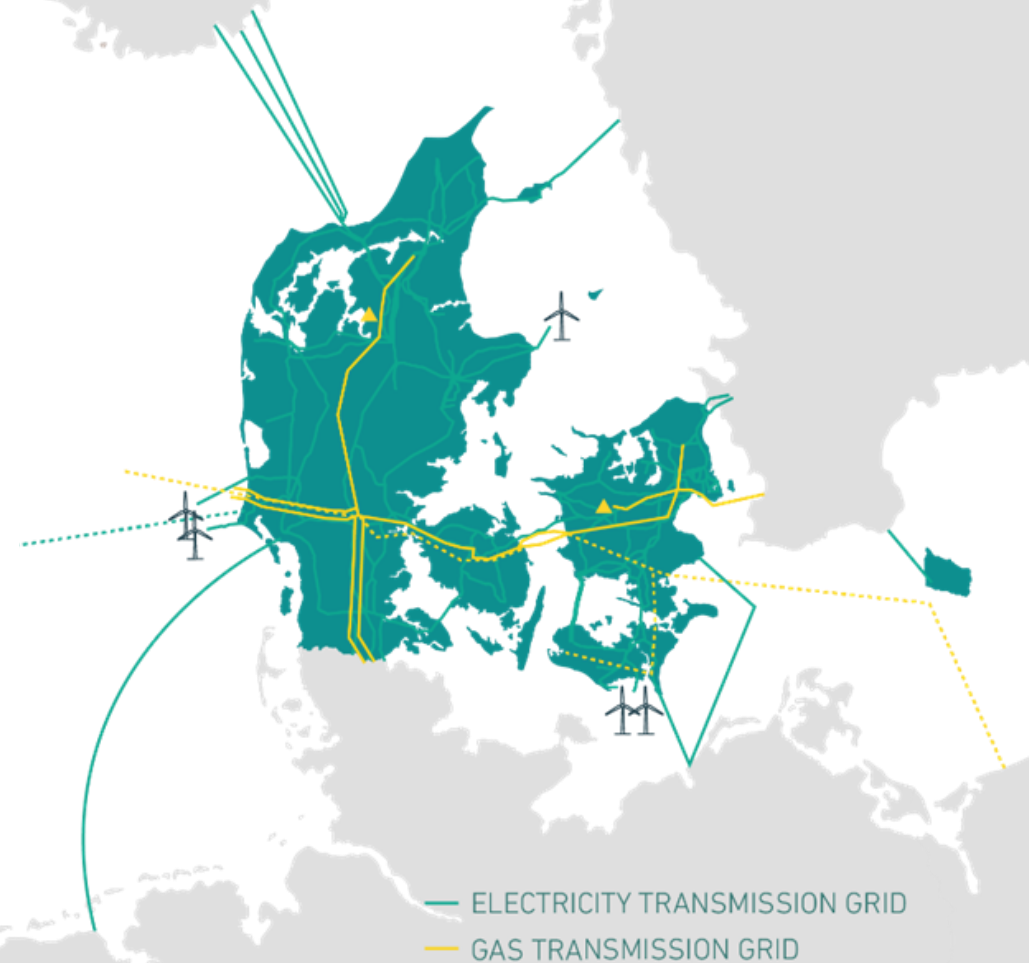
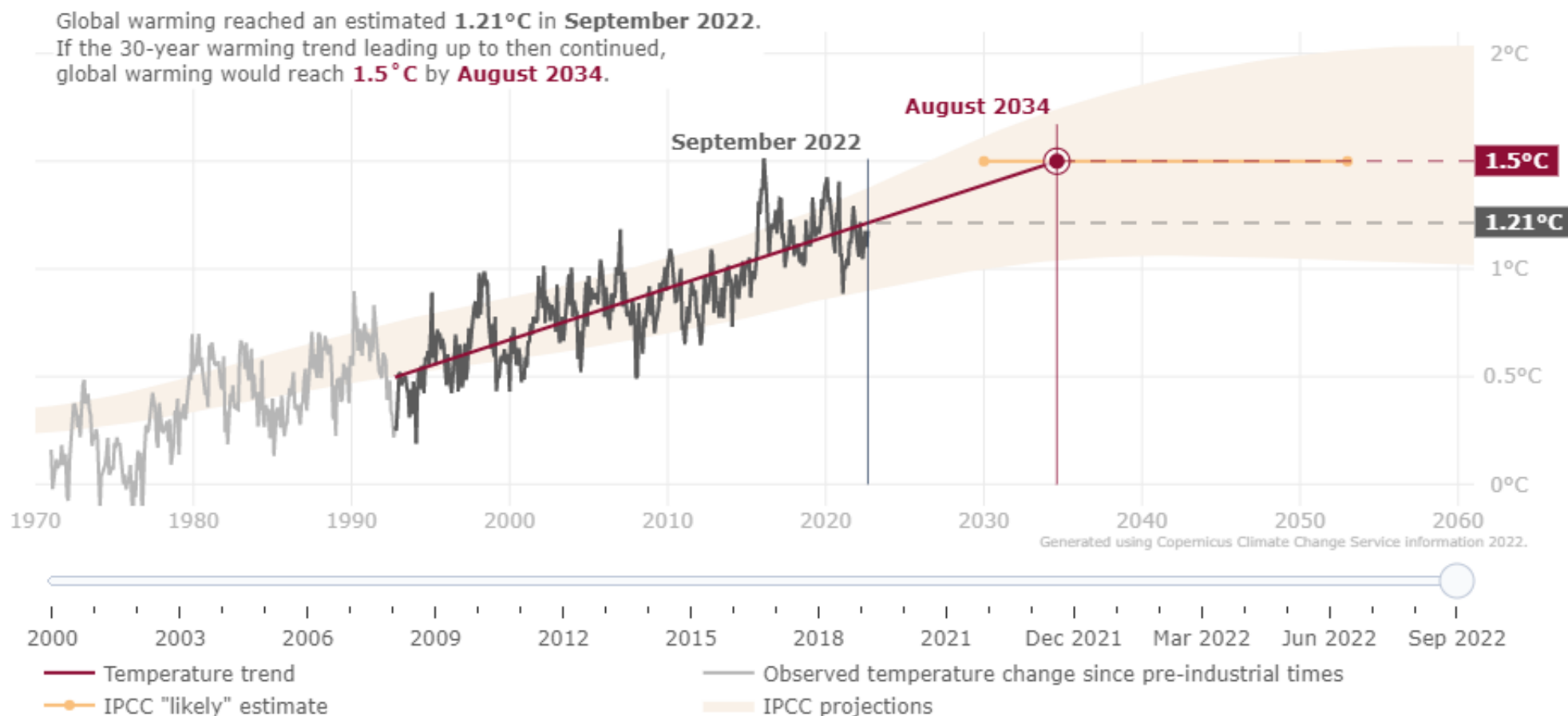


RD&I IN ENERGINET

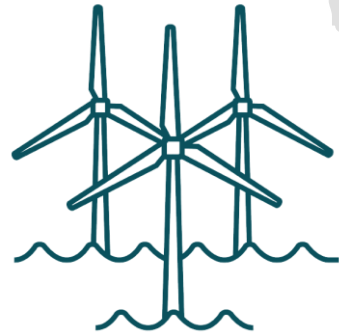
*Christian Bjørn
Energy Analyst
Energinet System Operation*



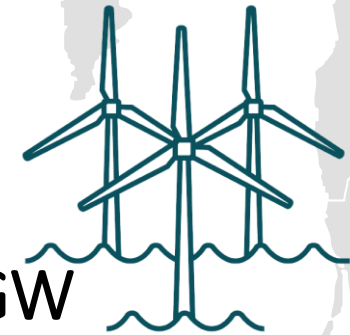
CLIMATE CHANGE IS HAPPENING - FAST



HIGH AMBITIONS SET DIRECTION



2030: 65 GW
2050: 150 GW



2030: 20 GW
2050: 90 GW



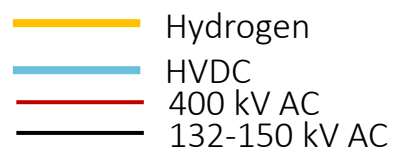
THE BALTIC SEA
Energy Security
Summit

THE MARIENBURG
DECLARATION

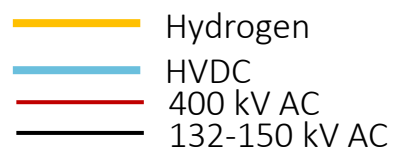
The Baltic Sea Energy Security Summit

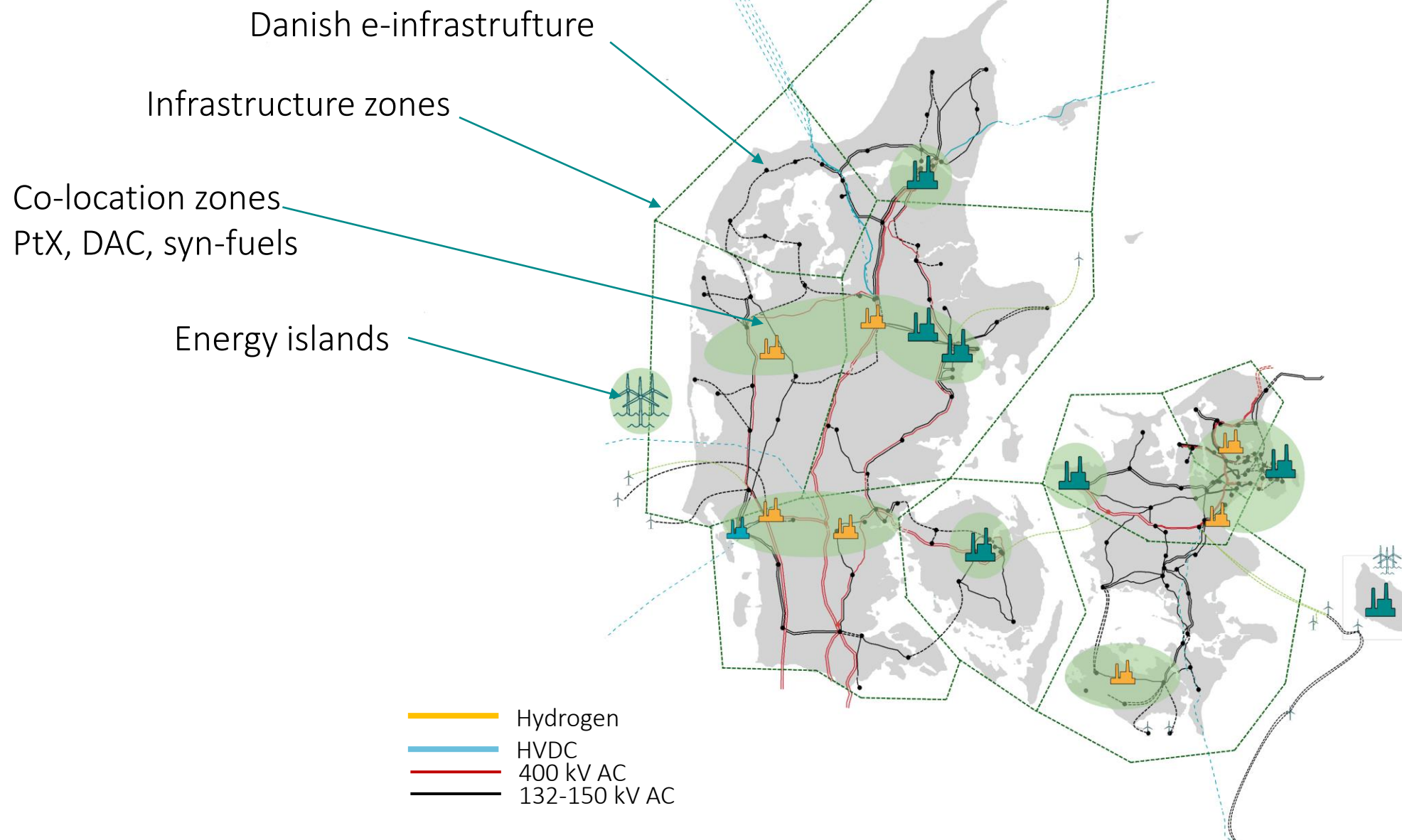


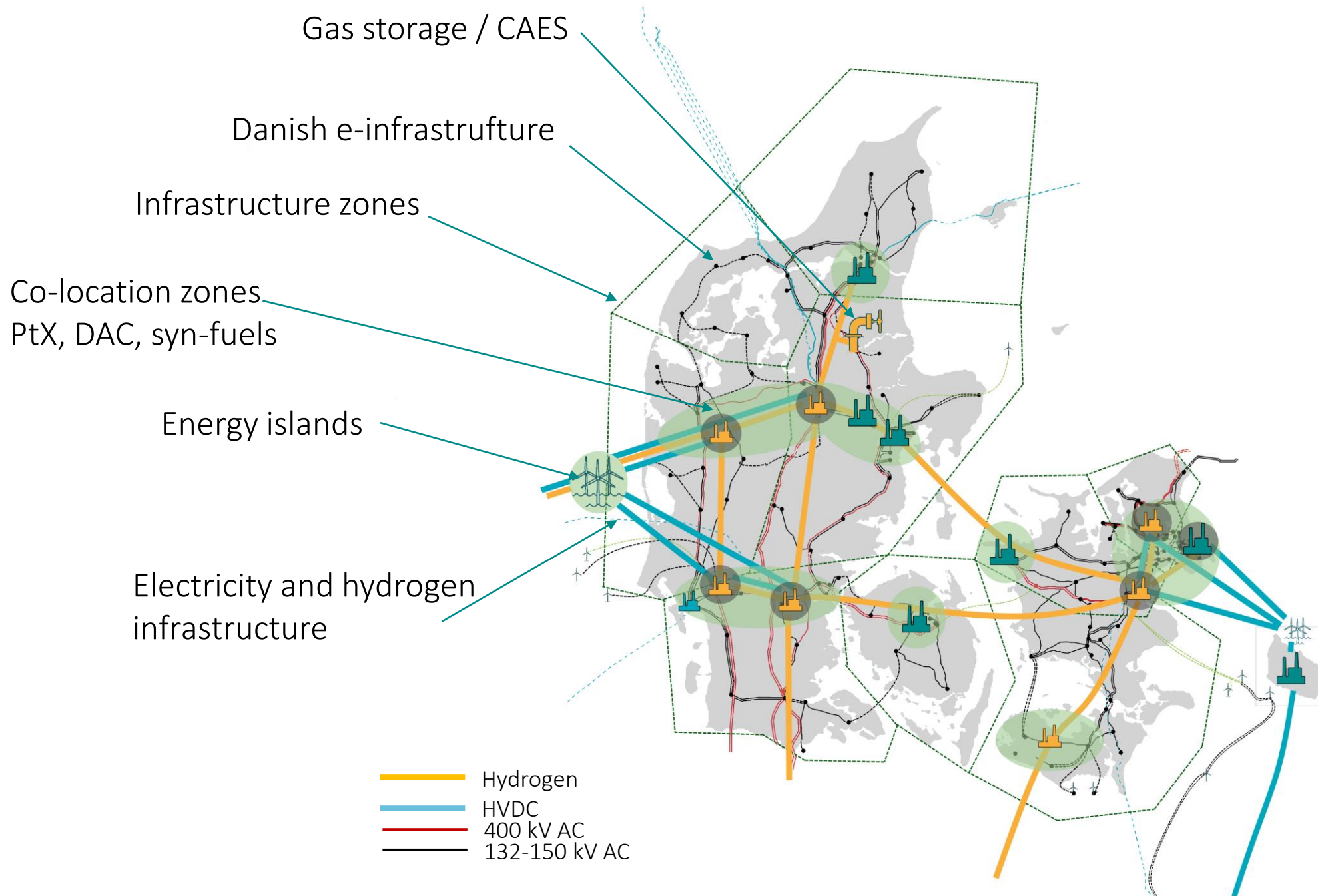
Danish e-infrastructure

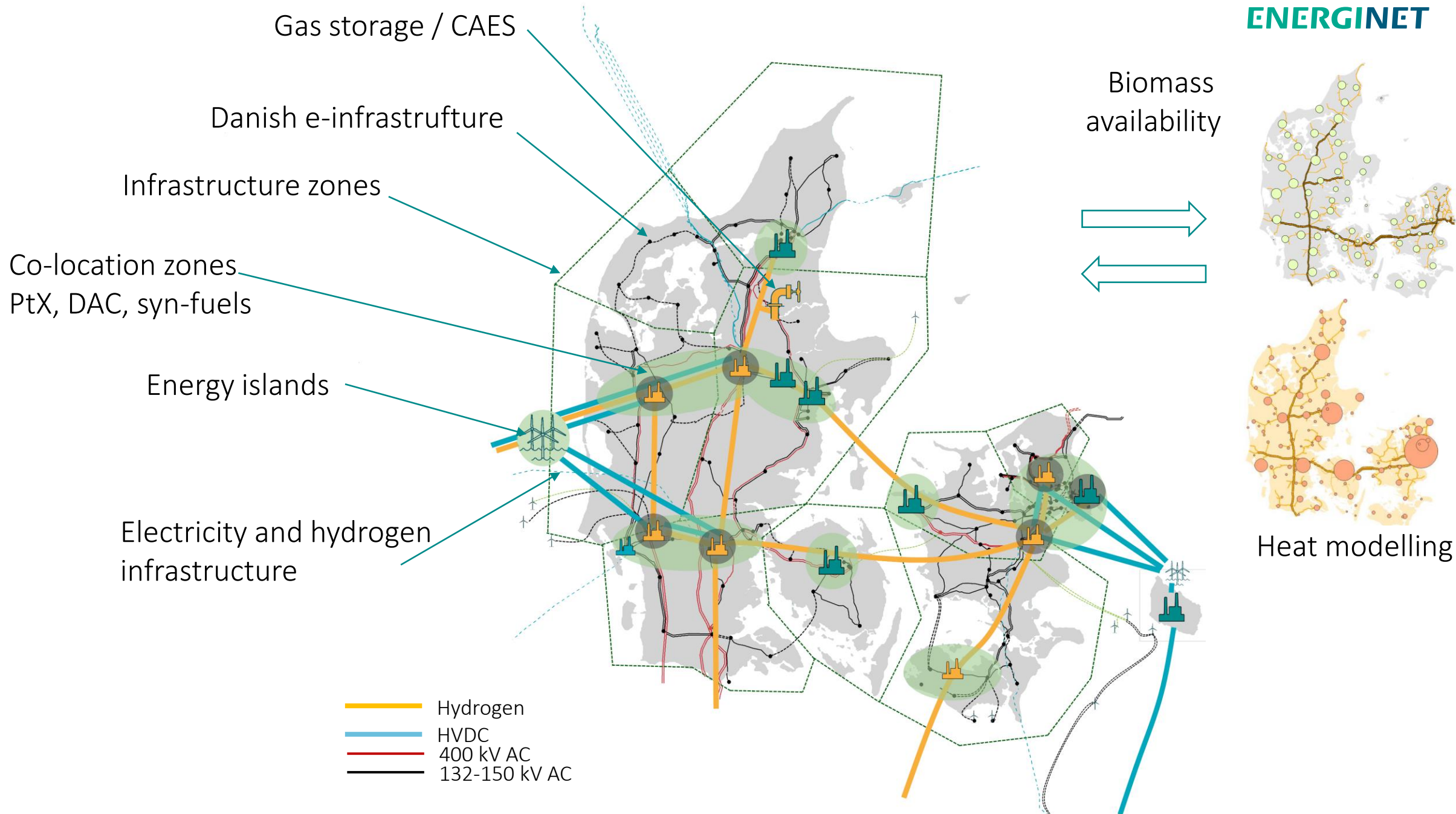


Danish e-infrastructure
Infrastructure zones



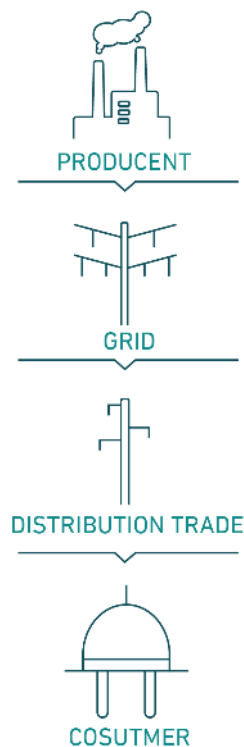




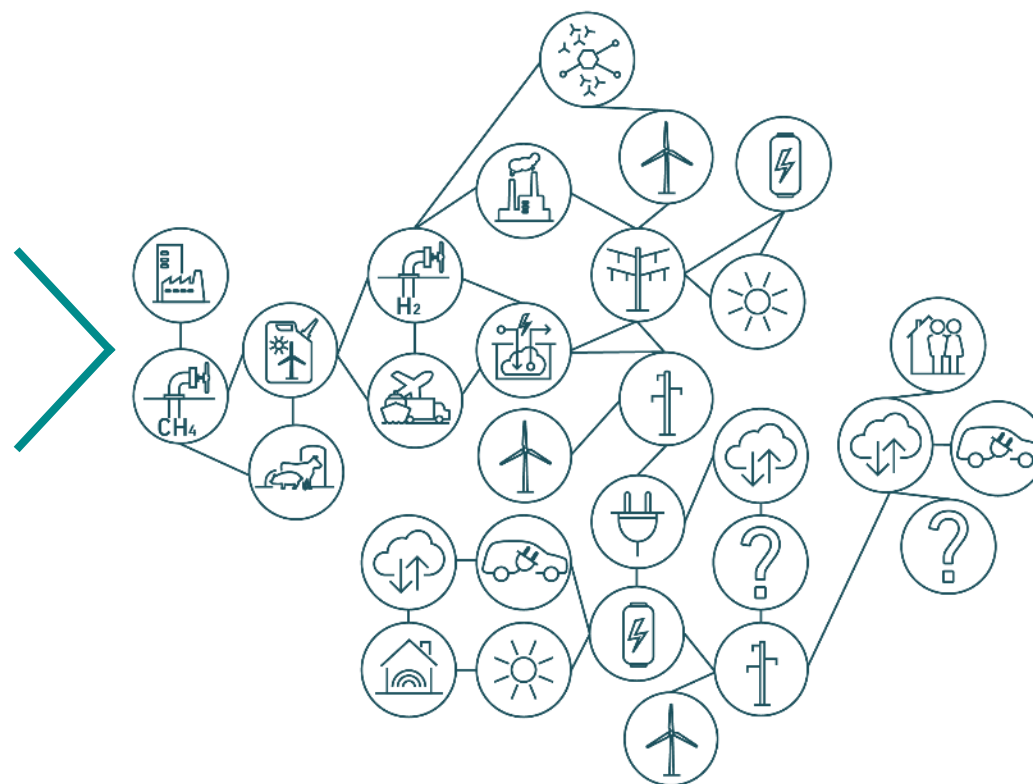


OLD ASSUMPTIONS CHALLENGED

BEFORE



IN THE FUTURE



Electricity ~~cannot~~ ^{can easily} be stored economically... ^{through sector integration}

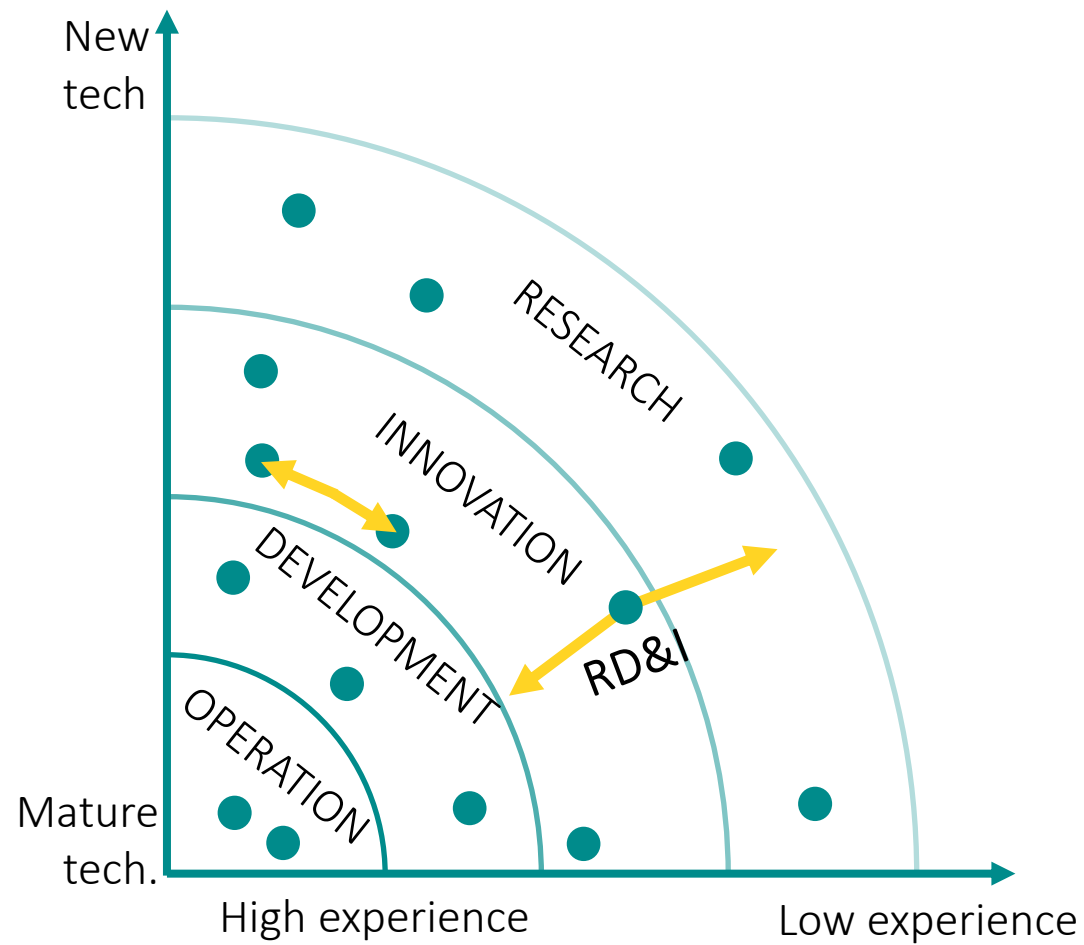
Electricity and gas consumers ^{are active and flexible} ~~are passive (inflexible)~~

Green energy needs ^{no} subsidies to survive

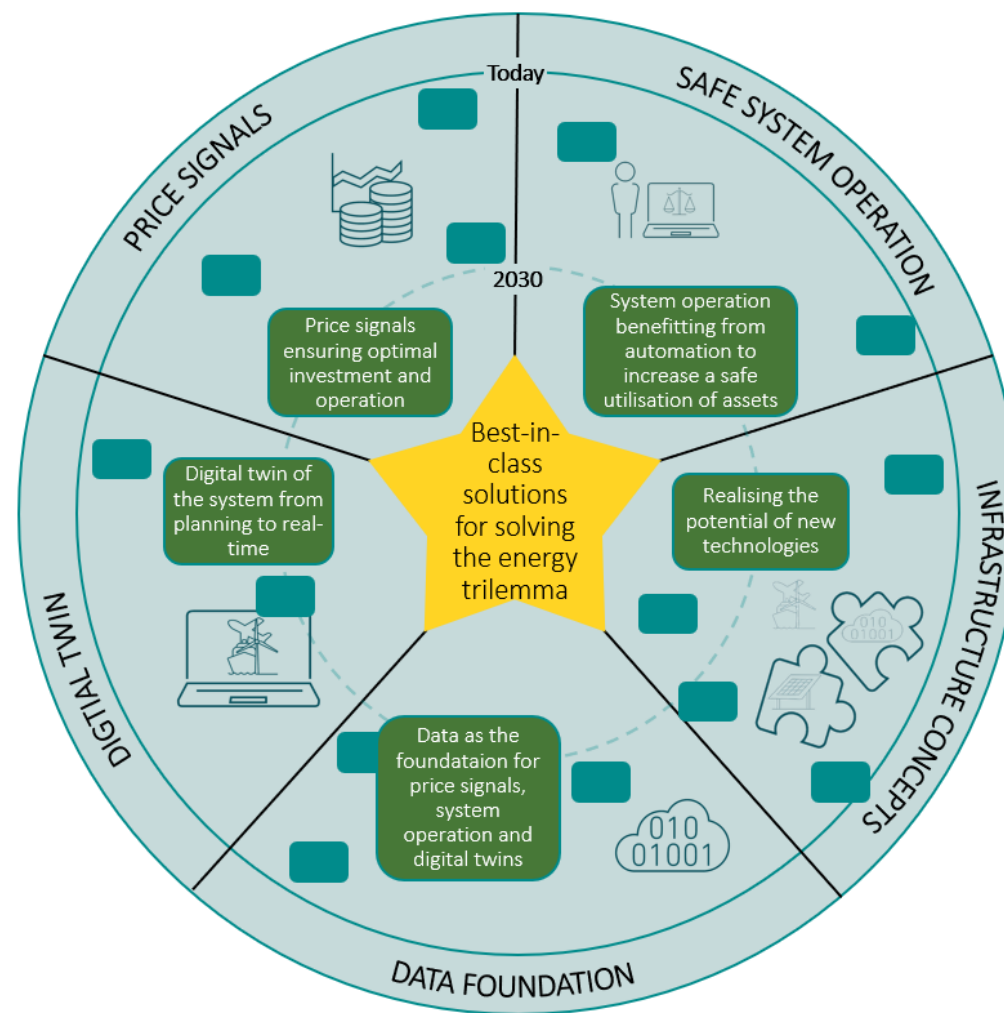
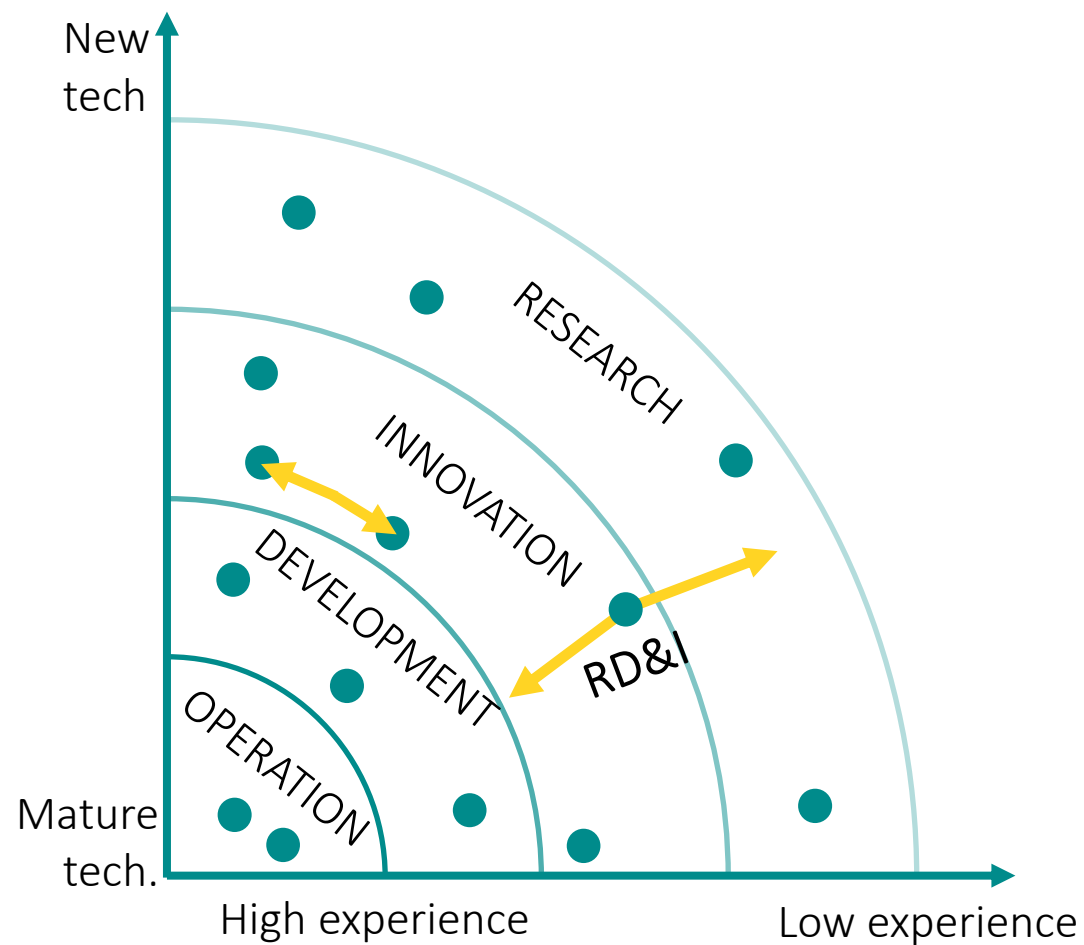
~~Everyone receives~~ the same product in terms of security of supply
^{Not everyone receives or wants}


^{Unknown technologies are needed in the green transition}
^{and new business models}

ENERGINETS RD&I PATHWAYS



ENERGINETS RD&I PATHWAYS



The image shows a coastal landscape with two large white wind turbines. The turbine in the foreground is partially obscured by tall, dry grass on the left. The second turbine is further back on the right. The ground is covered in green grass, and the ocean is visible in the distance under a clear blue sky with some light clouds.

Thank you for your attention