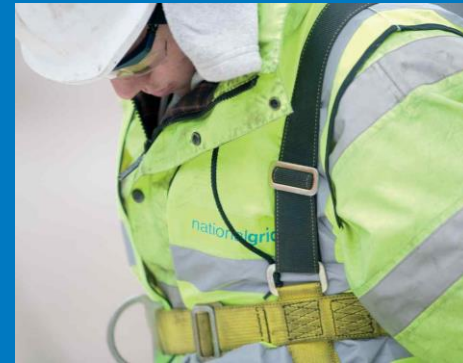


## Future Role of the System Operator



Nick Easton, Whole System Program Manager, National Grid

8th Smart Grids Cleanpower Conference

Cambridge, UK, 19-20 June 2017

[www.cir-strategy.com/events](http://www.cir-strategy.com/events)

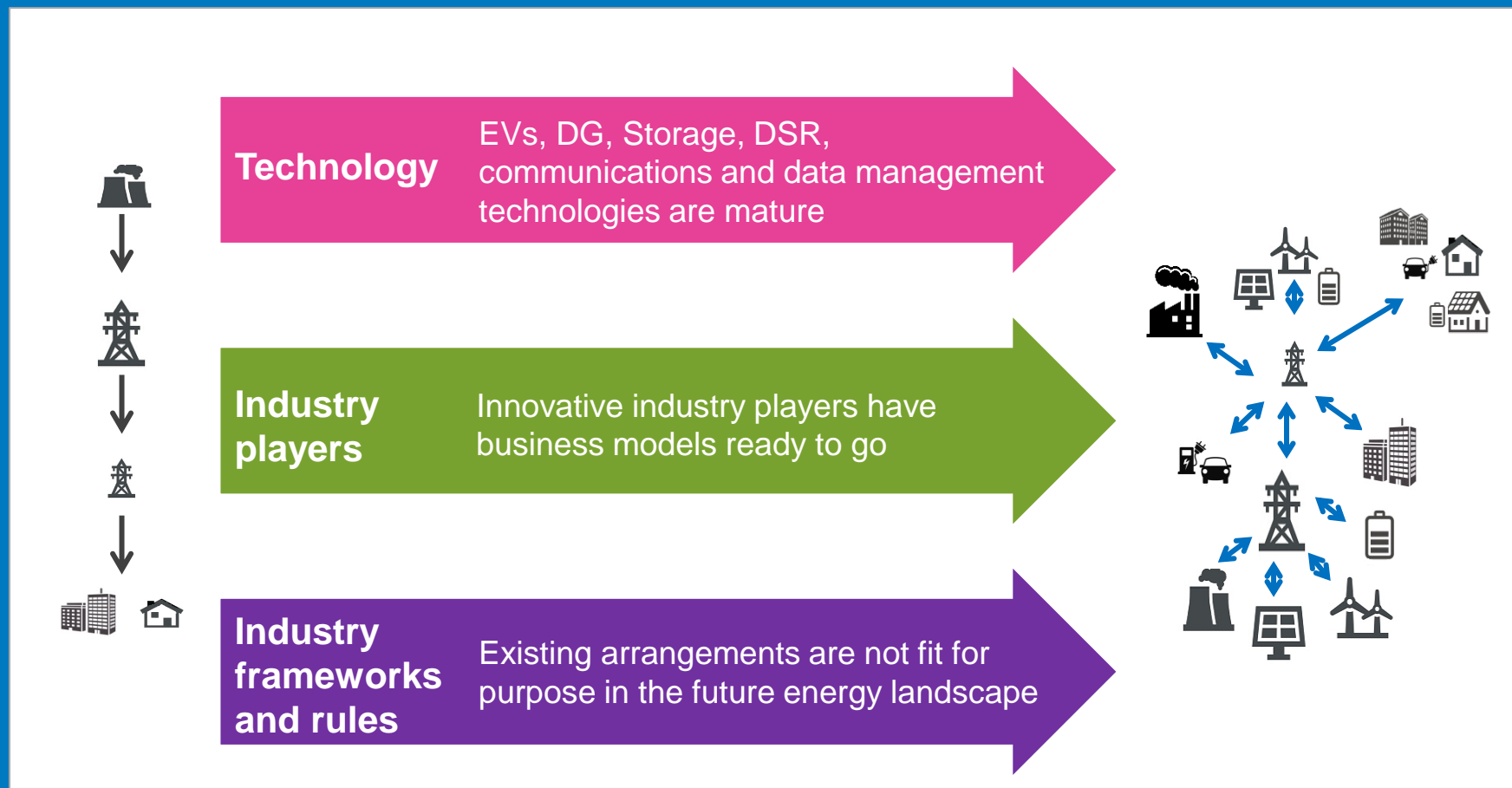
...join the follow up 9th SGCP18 26-27 June Cambridge, UK

# The UK electricity industry is changing

nationalgrid

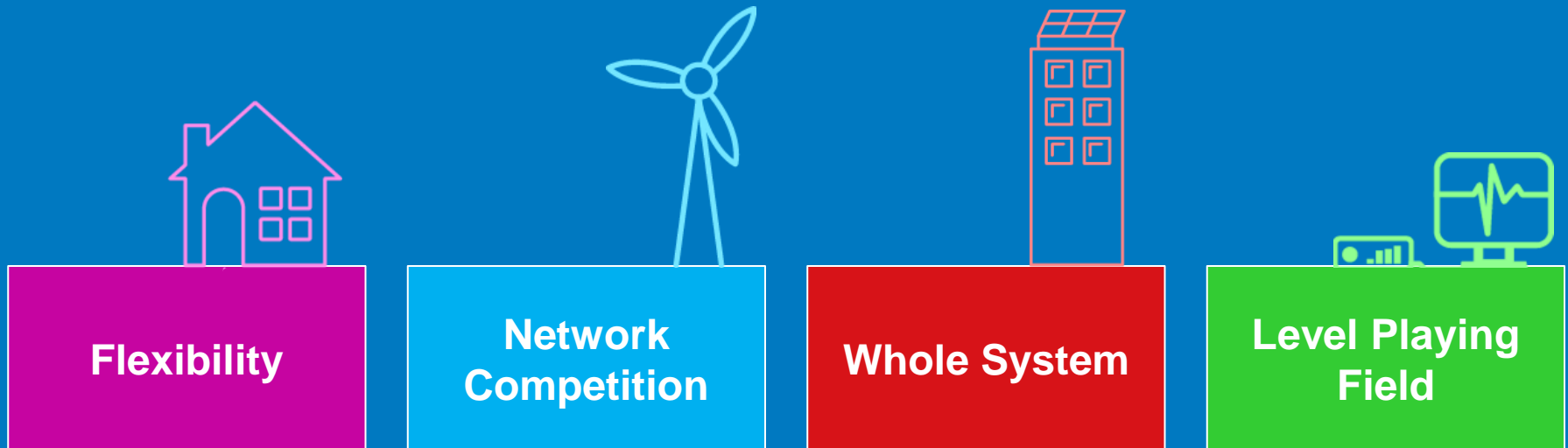


Decarbonisation, decentralisation, new technologies and business models are driving the transition to a multi-directional interactive system; industry arrangements need to evolve to facilitate transition to the new model



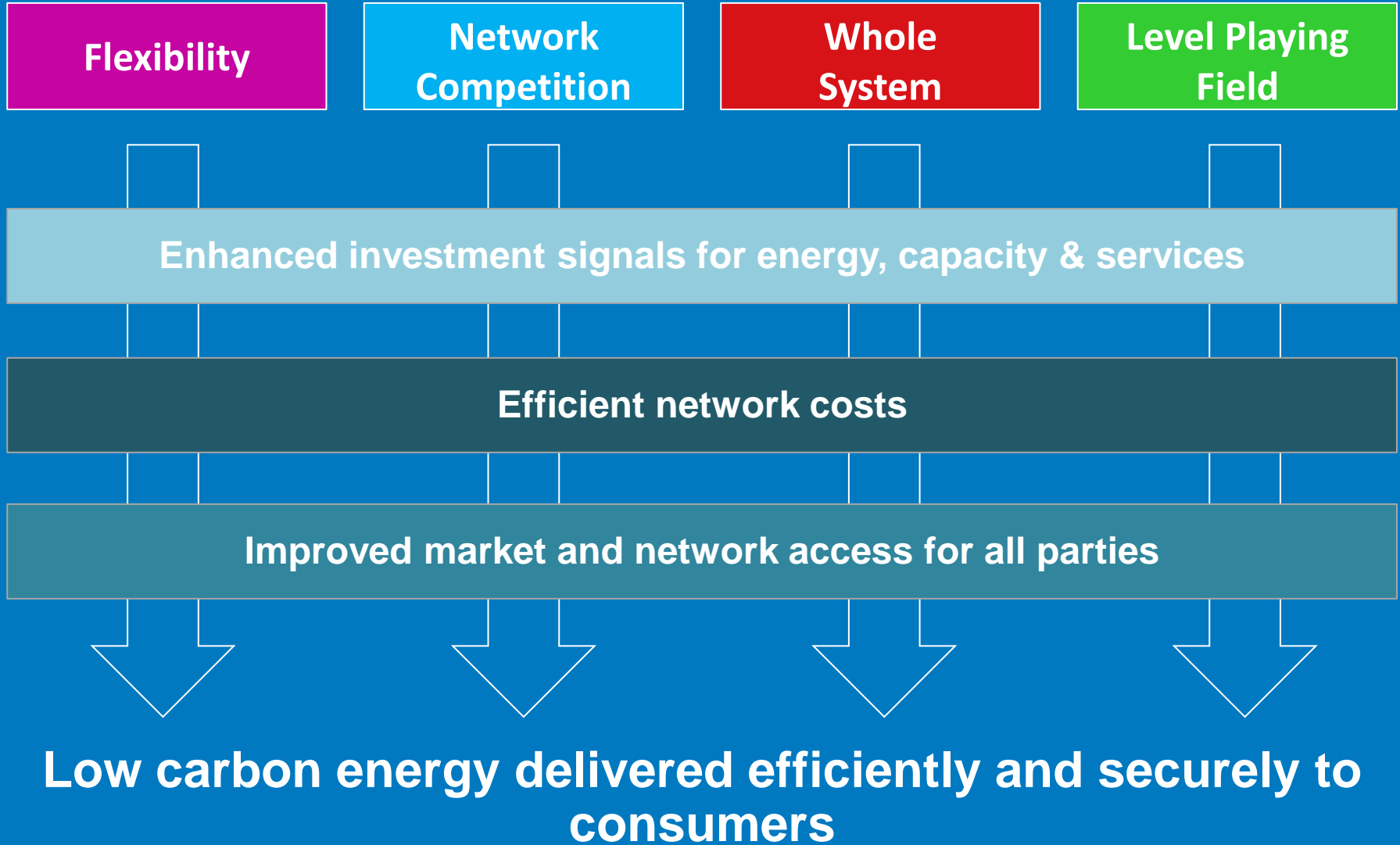
Developing the role of the Electricity System Operator to play its part in facilitating the transition to a “whole system” way of working between transmission and distribution, that releases the value of flexible resources across our electricity networks and realises maximum benefits for consumers.

Our 2 year programme has four workstreams:



# The FRSO Programme delivers consumer value through a holistic approach to industry challenges

nationalgrid



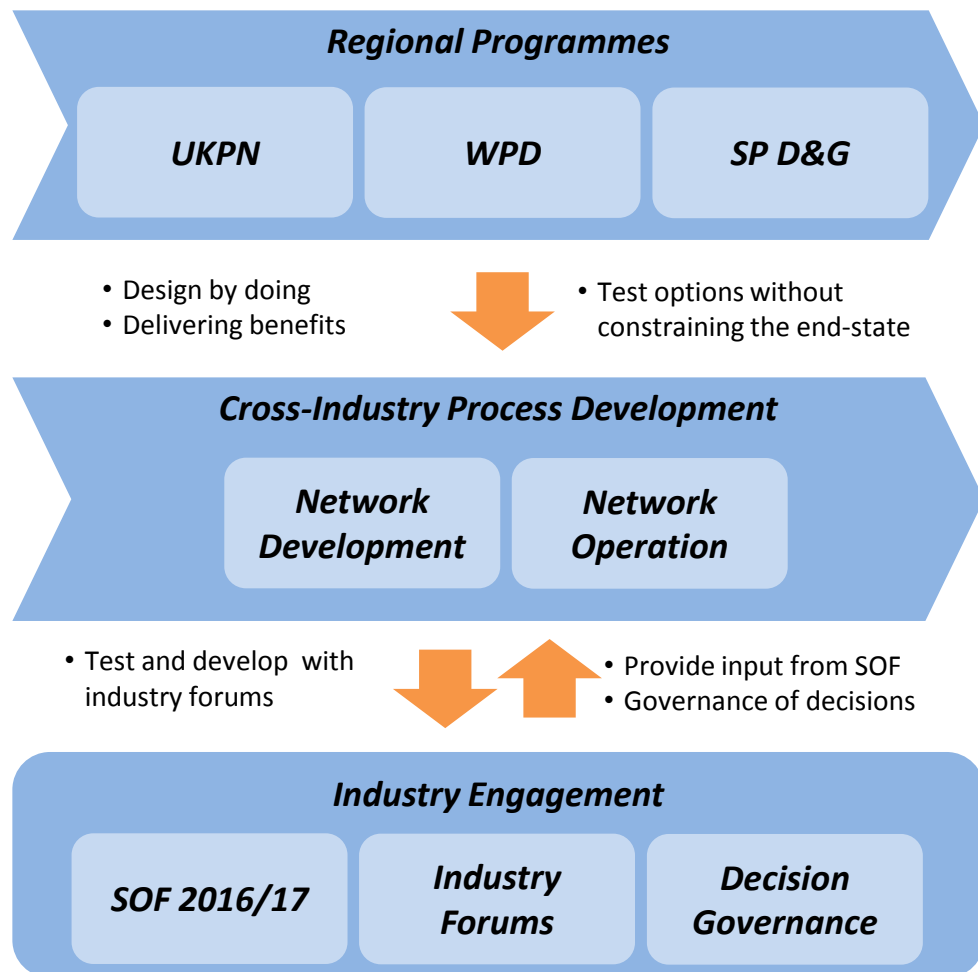
# WHOLE SYSTEM - We are “designing-by-doing” through regional programmes, and engage wider industry for guidance and decisions

## Objectives of Whole System Work

We will look to release network capacity for T & D resources and enable DER to access service opportunities through:

- **Regional Programmes** with 3 DNOs to co-design solutions, trial improved models, information flows, operating principles & commercial frameworks.
- Taking outputs from the programmes to develop **Cross-Industry Processes** around whole system.
- **Engagement** with DNO's, Ofgem and others to align work and create consensus on industry change.

We aim to release capacity and progress DER opportunities by end-2017. We will also propose code & regulatory changes.



# Indicative timeline and deliverables – further detail following publication of Ofgem’s conclusions in Summer 2017

