

R&D PROGRAM



INTRODUCTION

Green Electrification 2035

Platforms for optimal power generation and use in a carbon-neutral society

ABB Oy



Green Electrification 2035 program to achieve carbon neutrality target

A world-class R&D program to develop platforms for optimal power generation and electricity use

- To develop new integrated technology platforms for optimal electricity generation and use by combining modern 5G communication technology, data management, new electrical engineering solutions and power grid technology
- In the future, an increasing number of physical devices will be replaced by digital solutions that communicate with each other in a cyber-secure way
- The resulting system can react quickly to changed conditions, while minimizing energy loss and malfunctions
- The program will deliver in cooperation with its ecosystem partners controllable and safe overall solutions that optimize system-level energy efficiency and reliability
- The solutions are scalable, meet the growing demand for energy efficiency, and encourage platform ecosystem participants to become more competitive and grow internationally



Enabling the rapid growth of renewable electricity usage

Sustainable and competitive solutions with innovation ecosystem

Optimizing system-level energy efficiency and reliability

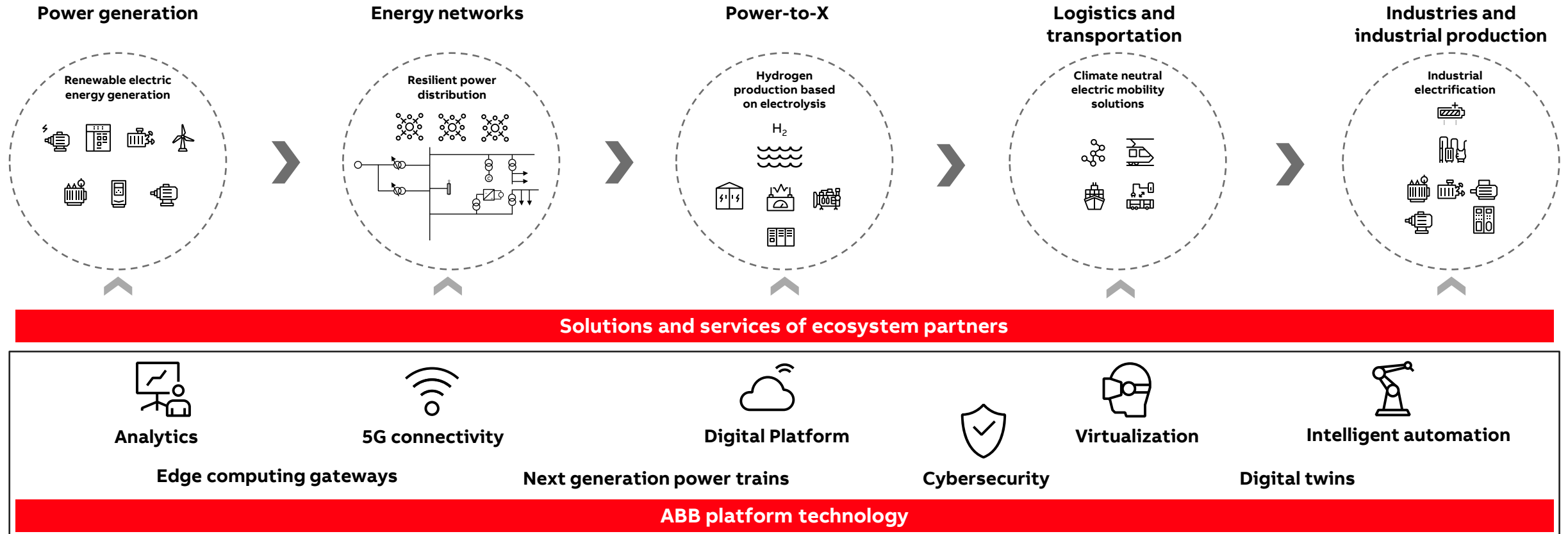
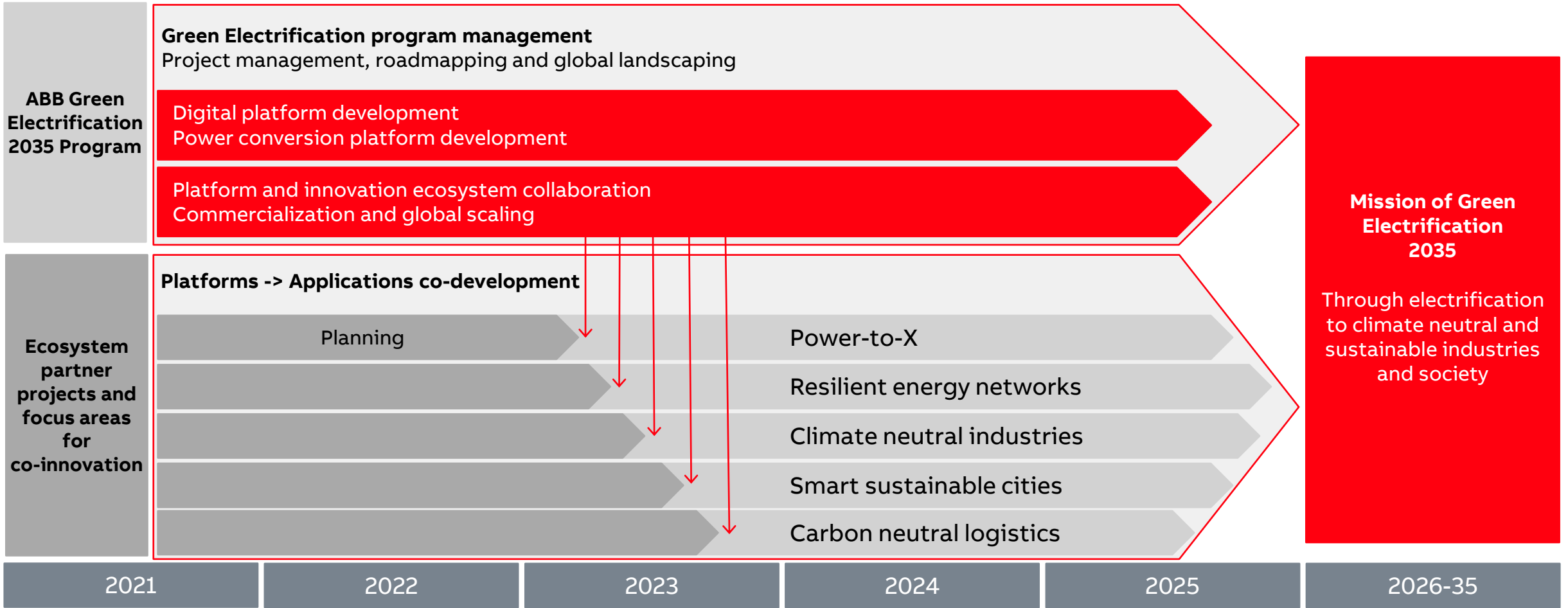


ABB Green Electrification 2035 program and ecosystem partner projects



ABB