

# Innovations

Innovation occupies an important place in our strategy, which is why we successively carry out tasks in this area. We want to actively participate in the development of innovation in Poland, which results in initiatives taken by us.

We implement innovative solutions both in the area of distribution and manufacturing, in accordance with the vision of an innovative company. Moreover, we have observed a significant potential of solving energy problems in the implementation of research and development projects in partnerships with scientific centres and local governments.

## Electromobility



One of our main strategic objectives is to engage in the development of electromobility. We strive to develop innovative solutions in this area. In 2017 we joined the cluster 'Polish Electric Bus – supply chain for electro-mobility', which aims at cooperation for the development of e-mobility based on technical solutions developed in Poland. As part of this cooperation, we are dealing with the subject of charging infrastructure, batteries and accumulators, as well as with the aspect of energy management.

In addition, Enea is one of the four energy companies forming ElectroMobility Poland SA, whose objective is to create conditions for the development of the electro-mobility system in Poland. In mid-March 2017, the company announced a competition for the concept of an urban electric car for a modern, conscious and environmentally friendly consumer. The conceptual designs of the winners of the competition will serve as the basis for the production of prototypes of urban cars.

## Energy storage

Enea Operator was the first company in our Group to receive a grant from the National Centre for Research and Development as part of the research and development project 'Innovative system services for energy storage increasing the quality and efficiency of electricity use' carried out jointly with the University of Zielona Góra. Five energy storage facilities connected to the low voltage grid using different technologies will be built during the works. The project aims to develop energy storage based technologies to enable the provision of new system services for DSOs in low voltage networks. In the context of the planned introduction of new quality regulations in the energy market and the development of the e-mobility sector, the implementation of innovative services proposed in the project may be particularly important for electricity operators. This project is carried out as a research and development project and, in accordance with its specific nature, is divided into two main stages: industrial research and experimental development.

## Energy cluster

Some companies of our Group participate in partnerships for the development of innovative energy clusters. Energy clusters are a concept of building local, integrated energy markets.

In 2017, we initiated three projects concerning energy clusters:

- Leszno Energy Cluster
- Zielona Góra Energy Cluster Energy Cluster
- Pliski Energy Cluster Energy Cluster