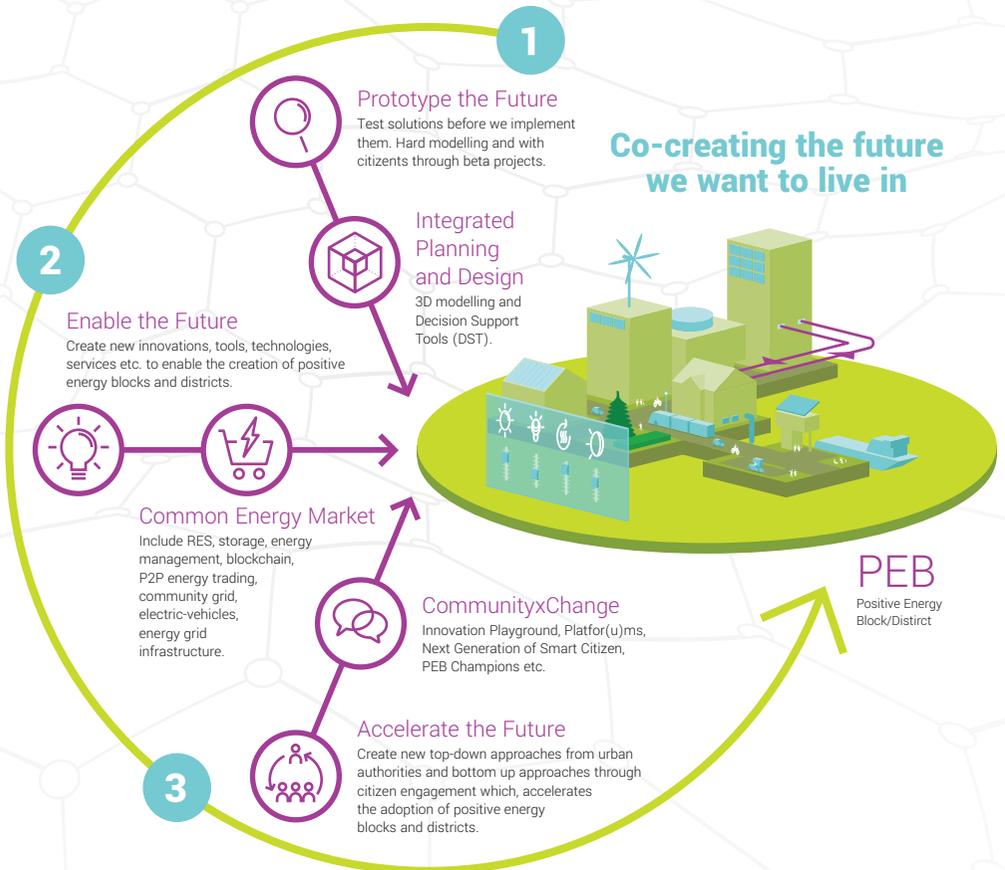


+CITYXCHANGE

"Co-creating Positive Energy Districts, with Integrated Planning and Design, a Common Energy Market & CommunityxChange"

The +CityxChange vision is to enable the co-creation of the future we want to live in. This includes the development of a framework and supporting tools to enable a common energy supply market, supported by a connected community. This leads to recommendations for new policy intervention, market (de)regulation and

business models that will deliver positive energy communities, integrating e-Mobility as a Service (eMaaS). The +CityxChange project is developing and deploying Positive Energy Blocks and Districts (PEB/PED) and scaling these out as part of the European Clean Energy Transition in cities.





Located 11 km from Bilbao, Sestao is a municipality of 28,000 inhabitants with a strong post-industrial character. It has an area of 3.5 km² where only 0.9 km² are dedicated to residential use and the rest is used for industrial purposes. The area of intervention within the project +CityxChange is the Ari Txabarri. The Demonstration Area (DA) is going through a process of deindustrialisation and currently suffers high rates of unemployment. Most buildings in DA1 are privately-owned buildings of the 1920s and are situated in the post-industrial area where the public housing stock of the city council and the Basque Government is located as well.

The private residential buildings were built in wood, thus resulting in poorly ventilated interior rooms and without natural light distribution. There is also public equipment linked to industrialisation that must be recovered and put into value with new uses. On the other hand, DA2 La Punta – Vega Galindo is the area where the first 163 public houses have been built. The area will go through a redevelopment process. Our challenge is to make the city more accessible and friendly, with a cleaner industry (services) that continues to generate wealth and provide sustainable resources to improve the quality of life of its citizens.

