

Design *principles*



1 Deliver for the benefit of all **consumers** and society, by supporting carbon reduction, cost of energy improvements and security of supply.



2 Facilitate **competition** and enable innovation, by securely opening up data and providing optionality in services to meet industry needs.



3 Utilise GDPR as an enabler to securely open up the **data** RECCo controls and therefore act as a beacon for industry.



4 Focus on **interoperability** and consider the holistic view of the energy market to avoid artificial segments and silos, by considered re-use of platforms, systems and data sources.



5 Demonstrate **leadership** by being willing to pilot, prove and test new technologies to show the market the possibilities. RECCo will be open to partnerships whilst protecting IPR for wider industry use.



6 Reduce the friction and increase efficiencies of REC services, by improving the **user experience** (UX), to enable industry and focus on their business.



7 **Agile** delivery will play a key role in how we develop our services. Delivery of smaller incremental changes to support the build up of capabilities for industries benefit.



8 Increase **security** competence and technical implementation, via disaggregation into individual components of services, in line with increasing industry dependence on data services.



9 Align and simplify data through implementation of **data management** strategy. This includes meta data management and data quality initiatives.



10 Solutions will be designed to be **event based handling** first and batch based second to support industry transition. Capabilities will be delivered through generalised components (microservices).



11 We will procure services **ethically** and in particular be cognisant of carbon impact for digital services.

Benefits of *Design Principals*



			Consumer	Climate	Competition	Cost	Catalyst Improvement
1	consumers	Consumers are at the heart of why RECCo exist. RECCo needs to ensure that all types of consumers are supported and "no one is left behind" to deliver the energy transition	●	●		●	●
2	competition	RECCo needs to provide central services on behalf of the market. It is important that this should not stifle competition and create a level playing field.			●		●
3	data	GDPR is a positive legislation which protects the consumer and provides the transparency and mechanisms to securely open up data for the benefit of society.	●		●		●
4	interoperability	Supporting the growing expectation of interoperability from REC parties to provide efficiencies, overcoming the increasing frustration with duplicate or competing systems and data sources to positively impact the consumer.	●			●	●
5	leadership	RECCo has the ability to make changes to the market for the benefit of industry. It needs to be able to demonstrate the value to remove a reliance on incumbents preventing progress. It has the ability to create the market pull for services / capabilities.			●		●
6	user experience	Adherence to the REC is mandatory for REC parties and the experience needs to provide the lowest friction for REC parties, so they can focus on their business and the consumer.	●				●
7	agile	Large scale implementation takes a long time to deliver and may be obsolete by the time it is delivered due to fast changing technologies. A change to incremental changes will bring value quicker and enable solutions to be refined and delivered with the latest thinking, ultimately encouraging innovation				●	●
8	security	Cyber threats are increasing globally and digitalisation of processes continues to grow, increasing our risk profile. Increasing RECCo's competence will counter this increased risk profile, enabling the provision of wider data services.	●				●
9	data management	Clear data management has the potential to reduce data storage costs as well as simplify the data, improve its quality and provide clarity of usage for the benefit of REC parties and consumers.	●				●
10	event based handling	Systems need to deliver the capabilities required by the industry, of which all are yet to be defined and parties are in different states. Therefore, the systems must be designed to accommodate future use and building microservices around events provides adaptability ultimately reducing costs in the long term.				●	●
11	ethically	RECCo is conscious of its social responsibilities in addition to supporting the industry to achieve net zero.		●			●