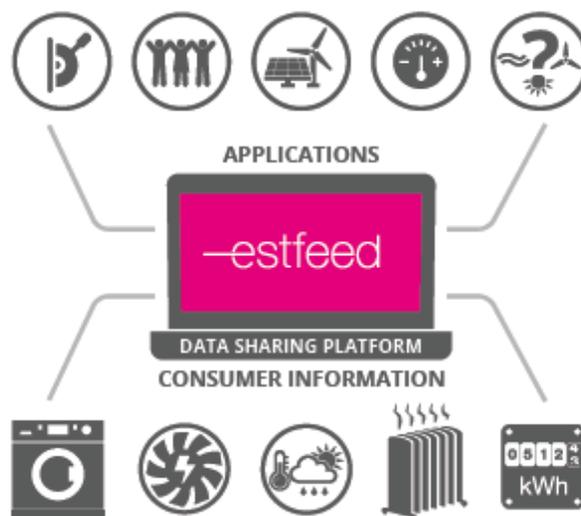# Smart Energy System platform Estfeed

Estfeed is a **data sharing platform** that allows network companies, energy producers and consumers to interact more efficiently and make the data collected during energy consumption understandable and usable for end users.

The objective of the Estfeed project is to **create a smart grid** that allows market players to get energy consumption information securely and transparently, understand the needs related to the metering point and change their behavior accordingly.

The Estfeed platform and applications turn the data into valuable information for consumers, energy producers, network companies and other participants in the energy market.

Estfeed brings together data sources and applications. **Data sources** range from electricity, gas and district heating smart meter readings to weather forecast and energy day-ahead prices. It also can be consumption information from individual devices in industry, offices, households.

Estfeed is a portal that gives developers a chance to access this information flow. By interpreting and combining data they can create useful **applications** for themselves or their customers (end consumers). The aim of the applications is to **create efficiency**, either for cost optimization or for end consumers.

Estfeed is integrated part of Estonian public information exchange platform called X-Road. This means highest **security** standards. X-Road enables access to all kind of public data sources which may be of relevance for the developers of Estfeed applications. Central platform also means better **economics** for the society.

Estonian electricity and gas transmission system operator (TSO) Elering as neutral party is well placed to provide data sharing service to public in reliable and independent way. Growing importance of information and communication technologies is becoming central in running energy system. It translates TSO role to something new: Elering is the **Smart Energy System Operator** and Estfeed is the tool for realizing smart grid.

EC Communication: Delivering a New Deal for Energy Consumers
*„An important part of value in the future energy market will stem from **large data flows** and the **wider integration of information and communication technology into energy systems**. Therefore, the data collection and processing party in the context of smart metering systems or other services empowering consumers to act should provide **direct access to these data** to the customer and any third party designated by the consumer. /.../ While data handling can follow different models, the **neutrality** of the entities managing data access is of the utmost importance.“*