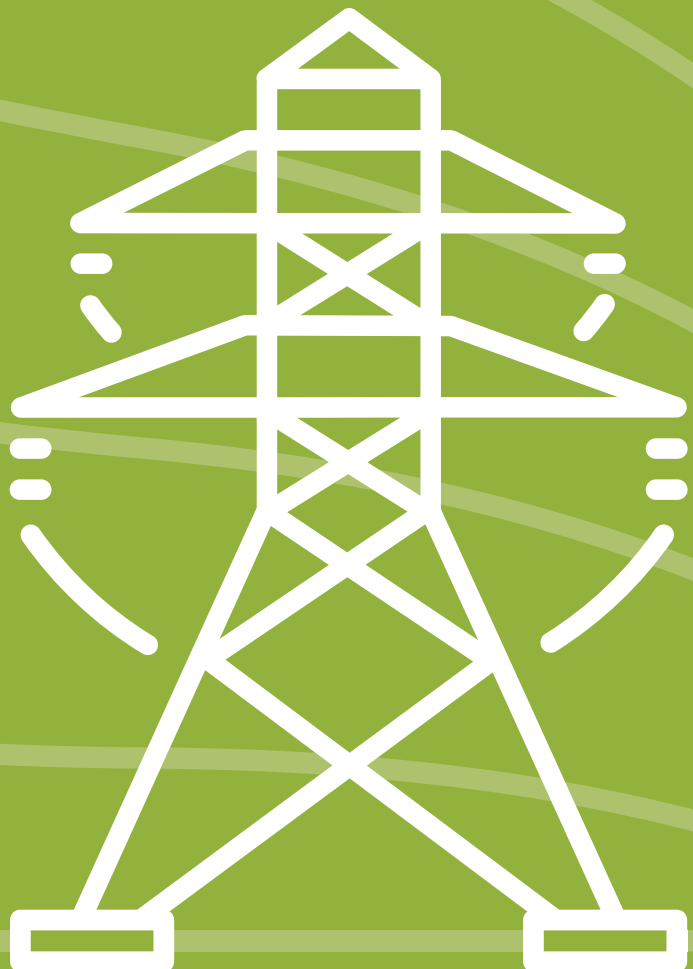




Advanced distribution grid analytics

for a secure and stable energy supply

↳ www.grid-flow.eu



Transparency about the status of the grid required for operational optimisation with the help of machine learning and AI.

What is GridFlow?

By applying advanced machine learning algorithms to the data gathered from AMI metres, GridFlow provides DSOs with crucial information about the status of their distribution grid. The platform validates the data from metres and applies it to perform advanced calculations and simulations necessary for an optimal performance of the DSOs daily operations. Allowing DSOs to focus on task crucial for maintaining safe and stable supply of electricity to their Clients.

Safety & stability

- Securing constant energy supply
- Real-time analysis of the grid
- Constant monitoring of quality indices

Cost efficiency

- Minimising energy losses
- Detecting illegal energy consumption
- Minimising financial losses

Optimised investments

- Minimising infrastructure exploitation costs
- Reducing the cost of simulations and investment planning
- Improved infrastructure investment planning

Why customers use GridFlow?

GridFlow consists of **7 different modules** that you can choose from:

- Smart meters analytics
- Balancing meters analytics
- Reactive energy
- SAIDI & SAIFI analytics
- Load models simulations
- Simultaneity factor
- Illegal electric energy consumption

“ System implemented at TAURON Dystrybucja S.A. will provide users with easier access to processed and aggregated measurement data from our AMI infrastructure as well as visual representation of measurement and technical information on graphs and maps of our distribution network infrastructure.

That data will allow our engineering teams to manage our infrastructure in a more efficient and safe manner. Therefore, GridFlow will help us in terms of meeting the highest standards of electricity supply to our end customers as well as will allow for the optimization of future investments and maintenance activities on the network infrastructure.

Additionally, GridFlow will support our engineers with identifying places suspected of illegal energy consumption, which will directly reduce our commercial losses by detecting and eliminating such events.



Bartosz Marczyński
TAURON Dystrybucja S.A.





How GridFlow works to achieve business benefits

Lowering sales losses

- Combining data from AMI and balancing electricity meters
- Detecting illegal energy consumption
- Minimising trading losses on low voltage grids

Data transparency

- Eliminating the need for manual data gathering
- Validating and processing the data in real-time
- Digitalisation and cloud storage of data

Analysis cost reduction

- Automating calculations and simulations
- Gathering in-depth data about both the grid and customer groups
- Optimising the workload of your analytics team



Our promise to you

We will work together to support you throughout the entire process to make sure you have a robust solution tailored to the needs of your organisation. Our goal is to work along side of your team, not for it. We love approaching technology challenges and

An offer to get you started

- Set up a remote demo of our platform with one of our experts
- Discuss the challenges of your organisation
- Analyse your challenges during workshops with our experts
- We will work together on a Proof of Concept
- Deploy tested and verified solution

Desired Outcomes

- Transparency about the state of the distribution grid
- Real-time data analysis from low voltage grids
- Decreased number of technical failures



powered by Future Processing

Why getFlow by Future Processing?

We are a **team of experts from the energy, water, and IT industries** and because of that we perfectly understand the industries and business of our clients and challenges they are facing. We provide them with specialized products and IT services supporting their efficient functioning and development, generating measurable benefits.

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Contact us to learn more



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