

## ENGIE invests in tiko, a pioneer in the development of intelligent energy management systems for the residential market

ENGIE announces the takeover of tiko through a capital increase. Swisscom and Repower, current tiko shareholders, retain their stake in the company's capital. Focused on the control of domestic energy consumption, this young company offers solutions for managing a wide range of electrical equipment in private homes. The aggregation of all connected homes enables the creation of virtual energy plants.



tiko, a Swiss startup established in 2012, has developed a unique technology for exploiting the full potential of electrical equipment (water heaters, heat pumps, solar panels, batteries, electrical outlets etc.) that may be present in most individual homes. The tiko solution connects these devices to a platform and makes them controllable. The user has a personalized dashboard that centralizes all his data in a highly secure way, he can then control his electricity consumption and comfort according to his needs, or optimize his self-consumption strategy (heating the DHW, supplying the household appliances via the connected sockets, battery charging, etc.) and reduce his electricity bill.

Besides the micro-local management of their energy consumption, users of tiko solutions may participate in schemes to aggregate connected homes and create extensive flexible energy consumption, generation and storage reservoirs, which react intelligently to fluctuations in the electricity network. If production in a region falls suddenly, some facilities are able to vary their heating cycle slightly until generation returns to normal. This mechanism, known as “load shedding”, frees up additional electricity capacity for the collective electricity network, thereby creating a “virtual power plant”. The company has developed algorithms based on machine learning that allow these short-term erasures to be carried out without affecting the customer's comfort.

Frédéric Gastaldo, general manager of tiko: "We are excited to be part of the ENGIE group. Its strong international presence, its know-how in all aspects of energy and its unique combination of energy supply will enable tiko to express its full potential, accelerate its



development and integration and thereby contribute significantly to the energy transition that is under way”

Directly linked to the Group’s strategy of decentralization and digitization, this investment will ultimately result in the creation of genuine energy communities on multiple levels, from the individual home to the national electricity network, and this in territories as varied as those of the Group. This operation will also enable ENGIE to support tiko’s strategy of international development - the company has already sold several thousand copies of its solution in Switzerland, Germany, Austria and France.

Yves Le Gélard, Chief Digital Officer of the ENGIE Group, says: “The unique technology developed by tiko will enable us to create new services for our residential customers and move towards the building of decentralized energy communities. It effectively completes our portfolios of load-balancing and storage solutions, which are so crucial to the achievement of the energy transition.”

To learn more about tiko, click [here](#).

#### **About ENGIE**

We are a global energy and services group, focused on three core activities: low-carbon power generation, mainly based on natural gas and renewable energy, global networks and client solutions. Driven by our ambition to contribute to a harmonious progress, we take up major global challenges such as the fight against global warming, access to energy to all, or mobility, and offer our residential customers, businesses and communities energy production solutions and services that reconcile individual and collective interests.

Our integrated - low-carbon, high-performing and sustainable - offers are based on digital technologies. Beyond energy, they facilitate the development of new uses and promote new ways of living and working. Our ambition is conveyed by each of our 160,000 employees in 70 countries. Together with our customers and partners, they form a community of imaginative builders who invent and build today solutions for tomorrow.

2018 turnover: EUR 60.6 billion. Listed in Paris and Brussels (ENGI), the Group is represented in the main financial (CAC 40, BEL 20, Euro STOXX 50, STOXX Europe 600, MSCI Europe, Euronext 100, FTSE Eurotop 100, Euro STOXX Utilities, STOXX Europe 600 Utilities) and extra-financial indices (DJSI World, DJSI Europe and Euronext Vigeo Eiris - World 120, Eurozone 120, Europe 120, France 20, CAC 40 Governance).

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