



Workshop

**RENEWABLE COLLECTIVE SELF-CONSUMPTION:
ENERGY COMMUNITIES AND MINI GRIDS**

October 14, 2025 | Ankara, Türkiye



Autonomous Groups

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ERRA Workshop on Renewable Collective Self-Consumption: Energy Communities & Mini Grids
October 14, 2025 | Ankara, Türkiye | Hosted by the Energy Market Regulatory Authority (EMRA) of Türkiye

Autonomous Producers (Prosumers)



- The installed capacity of a prosumer's station cannot exceed the connected load of their consumption system, with an upper limit of **150 kW**.
- Net metering is calculated **annually** (May 1 – April 30).
- Equal energy exchanges are **not taxable**, and compensation paid by the Guaranteed Supplier at the year's end is **not considered income**.

Autonomous Producers (Prosumers)



- **Negative balance (monthly):** The prosumer pays the Guaranteed Supplier for the deficit.
- **Positive balance (monthly):** Surplus energy is transferred to the Guaranteed Supplier and can be used in the following months.
- **Positive balance (year-end):** Surplus is compensated in cash at the **minimum annual wholesale market imbalance price**.

Autonomous Groups



- Introduced by amendments to the Energy Law on **May 1, 2022**.
- **Three possible setups:**
 1. Different individuals with different consumption points.
 2. One individual with multiple consumption points.
 3. Different individuals with consumption points in the same building or at the same address.

Autonomous Groups



- Prosumers may form **Autonomous Groups**.
- Groups may include only prosumers, or a mix of **prosumers and consumers**.
- Total installed generation capacity in one group: up to **1,050 kW**.
- The number of non-prosumer participants is **unlimited**.
- A **distribution service fee** is paid for energy produced within the group but consumed by other members.

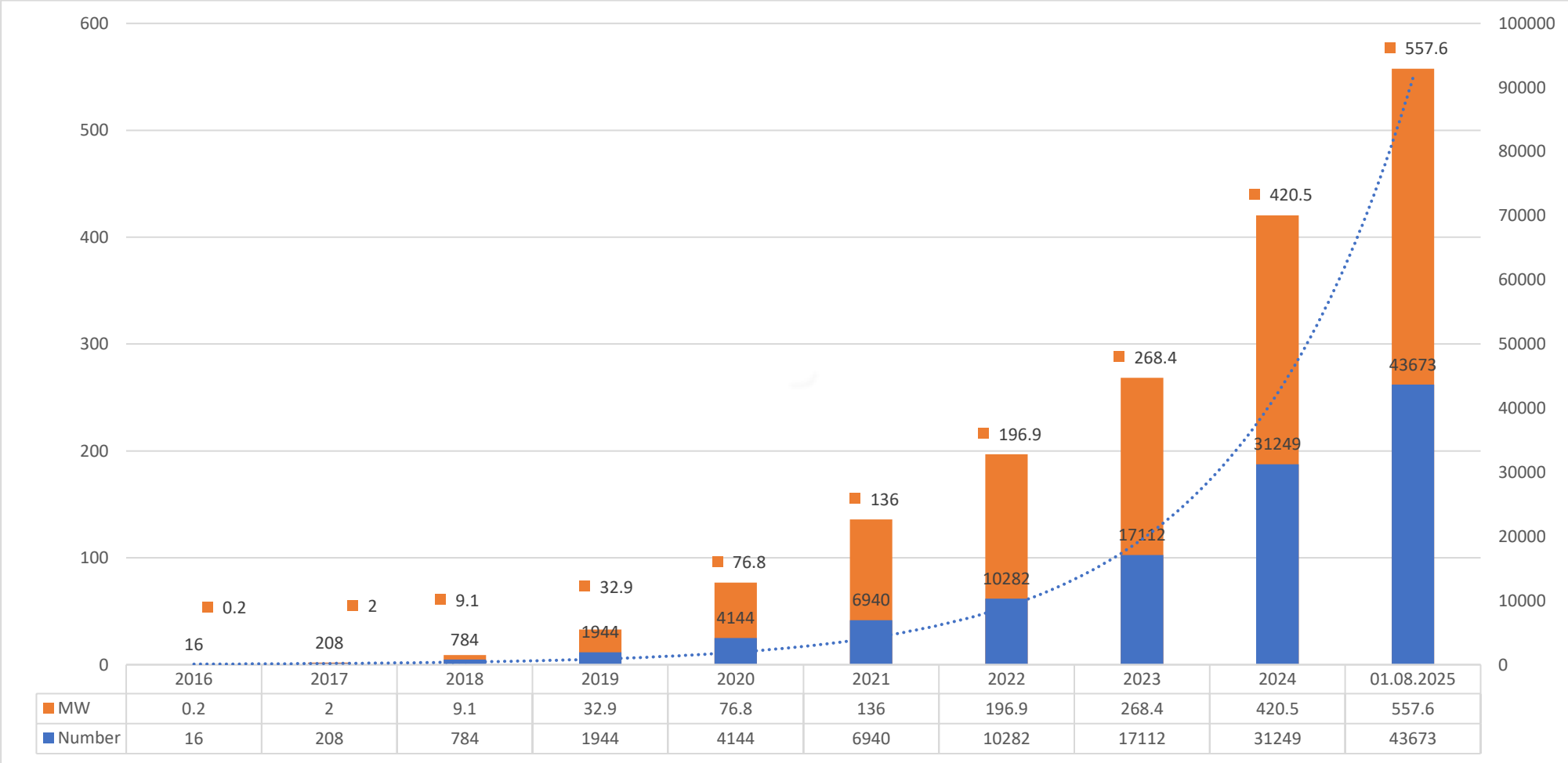
Autonomous Groups



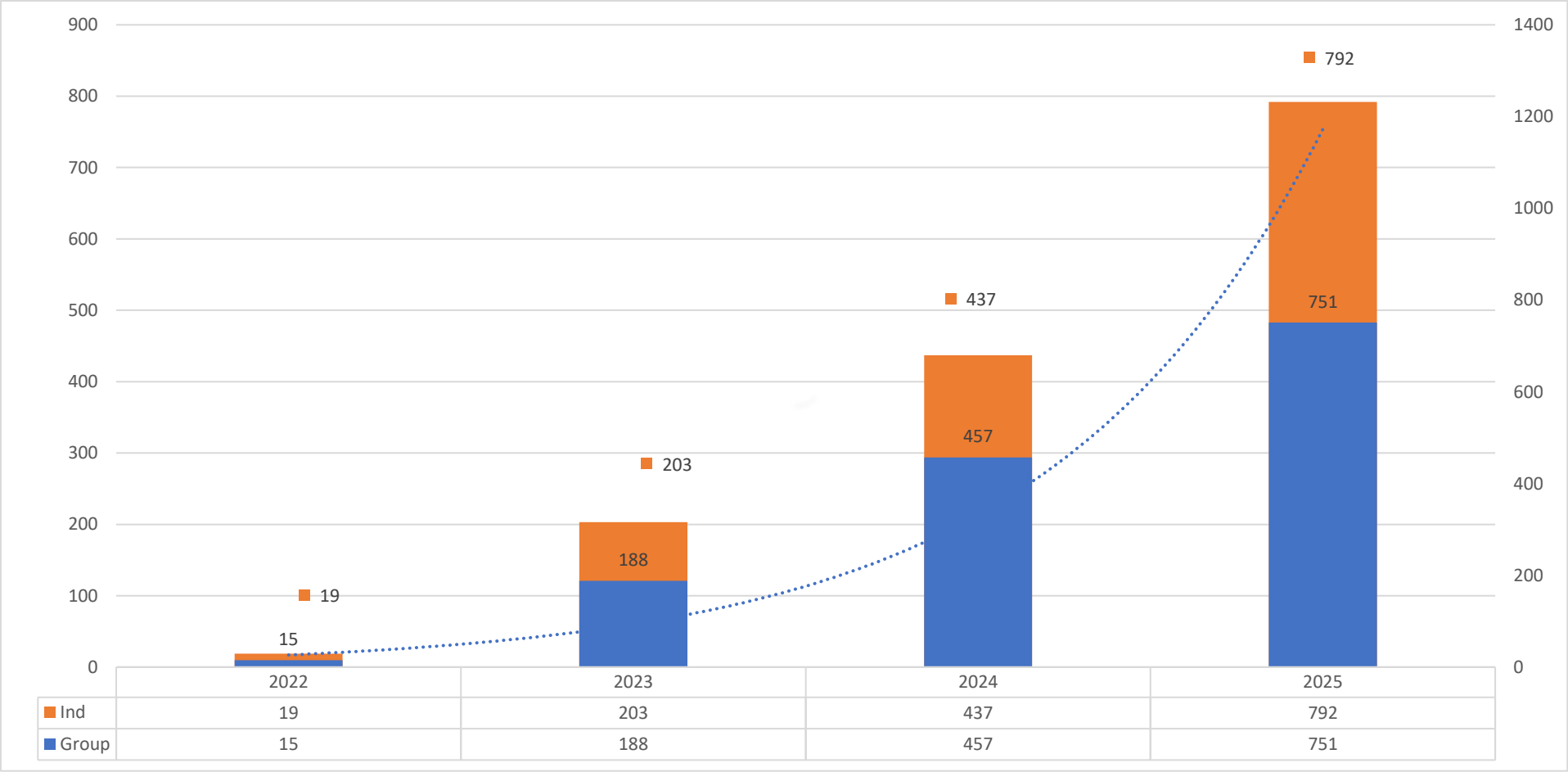
Distribution of produced electricity among group members can be done via:

- **General method** (equal allocation).
- **Selective method** (allocation based on agreements).

Autonomous producers development 2016-2025



Autonomous Groups development 2022-2025



Upcoming Developments



Reduction of maximum installed capacity:

Households → max **12 kW**

Other consumers → max **50 kW**

Billing reforms:

Monthly net metering for households.

Net billing for other consumers.

Net Billing for Autonomous Groups will also be introduced.

Amendments to enter into force in five years.



THANK YOU FOR YOUR ATTENTION!

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