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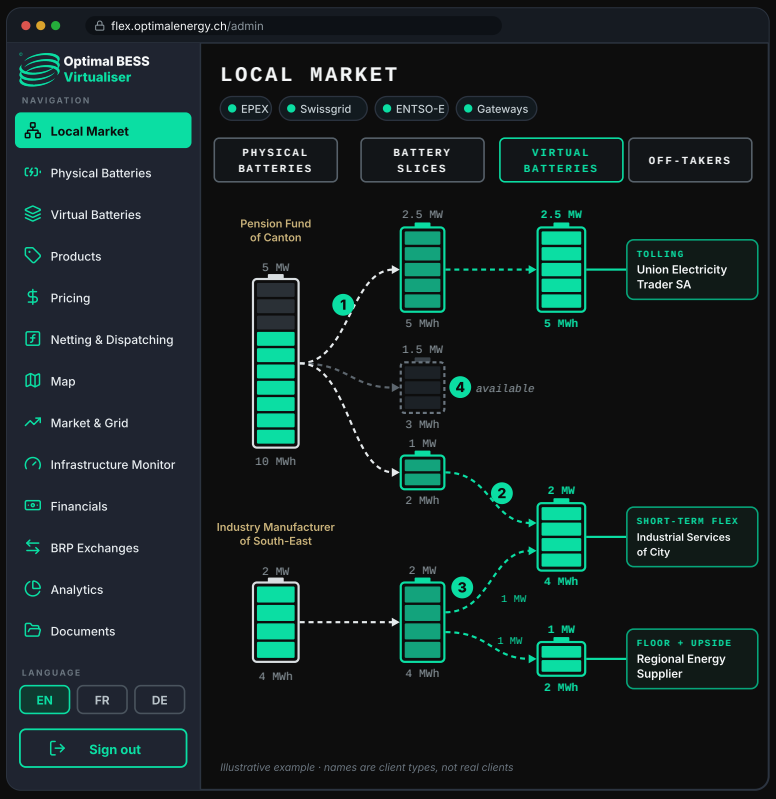
flex.optimalenergy.ch

BATTERY VIRTUALISATION PLATFORM

Optimal BESS Virtualiser

One battery. Many products, many off-takers.

Optimal BESS Virtualiser turns physical batteries into virtual capacity slices, sold as flexibility products to utilities and energy traders. Off-takers reserve exactly the power and energy they need, without owning a battery.



LOCAL MARKET

1. **Slice a battery**
   One physical battery is cut into slices, each sized for a product.
2. **Combine slices**
   Slices from two different batteries form one virtual battery.
3. **Share a slice**
   One slice can serve two virtual batteries and two off-takers.
4. **Spare capacity**
   An unused slice stays available for the next contract.

Good for both sides of the market

For battery owners

Off-takers compete for your battery
More demand for your capacity means higher revenue.

Several revenue streams
One battery, sliced across products and off-takers, with terms from days to years.

No operating hassle
Nomination, settlement and invoicing are handled for you.

For off-takers

Access to many batteries
Owners open their batteries to any off-taker: more opportunities to make money.

Flexibility without a battery
Reserve exactly the MW and MWh you need, for as long as you need them.

Portal or API
Reserve, get confirmations and schedules in the portal or machine-to-machine.

INCLUDED

Standard contracts · Swissgrid nomination · Automated invoicing · Edge gateway, any brand · Swiss-made · CHF

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Four standard products

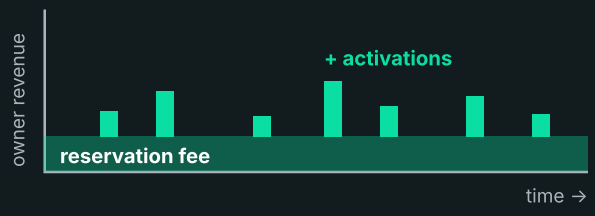
Four products. One battery can serve them all.

Each battery slice is sold to electricity utilities and energy traders under one of four standard products.

Short-Term Flexibility

typically 1–9 days

The off-taker reserves a slice for a few days: a reservation fee, plus an activation fee for the energy used.

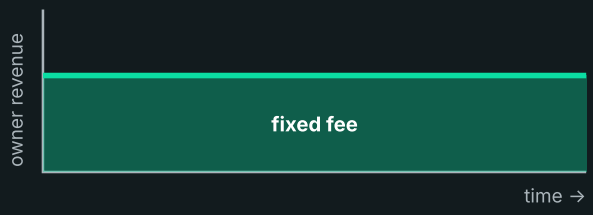


Owner earns	Reservation fee + activation fee
Off-taker gets	Capacity on call

Tolling

typically 6 months – 3 years

The off-taker rents a slice for a fixed annual fee per MW and dispatches it as it wishes.

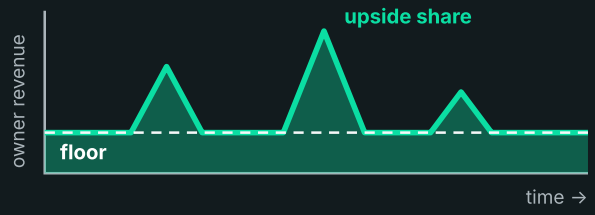


Owner earns	Fixed annual fee per MW
Off-taker gets	Full dispatch rights

Floor + Upside

typically 3 months – 2 years

The owner gets a guaranteed minimum revenue (floor), plus a share of any revenue above it.



Owner earns	Floor + share of the upside
Off-taker gets	Dispatch rights and the rest of the upside

Merchant

typically 1 month – 3 years

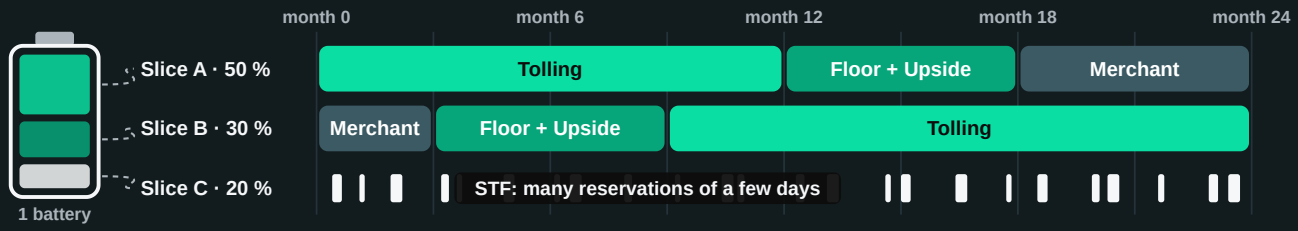
Optimal Energy trades the slice on the markets and shares the revenue with the owner. No fixed fee.



Owner earns	Share of the market revenue
Optimal Energy	Keeps a commission

Stack your revenue

Standard contracts let one battery earn from several products at once. Illustrative example.



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