Customer
[Person]

Electrik Catalog
[Software System]

Mash-up Web App,
displaying resources like
energy providers, batteries
and other products

Customer — **Browses** → Electrik Catalog

Consumes

Electrik API

Batteries Catalog
[Component: NodeJS Api Controller]

Controller responsible of exposing
existing batteries and their commercial
info

Accumulators Catalog
[Component: NodeJS Api Controller]

Controller responsible of exposing
existing accumulators and their
commercial info

Energy Providers Catalog
[Component: NodeJS Api Contro

Controller responsible of expos
existing accumulators and the
commercial info

Reads from

Reads from

Batteries Listener
[Component: NodeJS Service]

Service resposnible of keeping the
Electrik Batteries Catalog consistency
up to date

Accumulators Listener
[Component: NodeJS Service]

Service resposnible of keeping the
Electrik Accumulators Catalog
consistency up to date

Energy Providers Listener
[Component: NodeJS Service

Service resposnible of keeping
Electrik Energy Providers Catal
consistency up to date

Writes to

**Subscribes to
and publishes to**

Message Bus
[Container: technology not yet decided]

A message bus used for inter-service communication

Publishes to

Publishes to

Publishes to

Battery Providers
[Software System]

API which informs
subscribers about new
batteries on the market

Accumulator Providers
[Software System]

API which informs
subscribers about new
accumulators on the market

Energy Providers
[Software System]

API which informs
subscribers about energ
providers on the market

**Reads from
and writes to**

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Reads from ⤏

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[Container: MongoDb]

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