

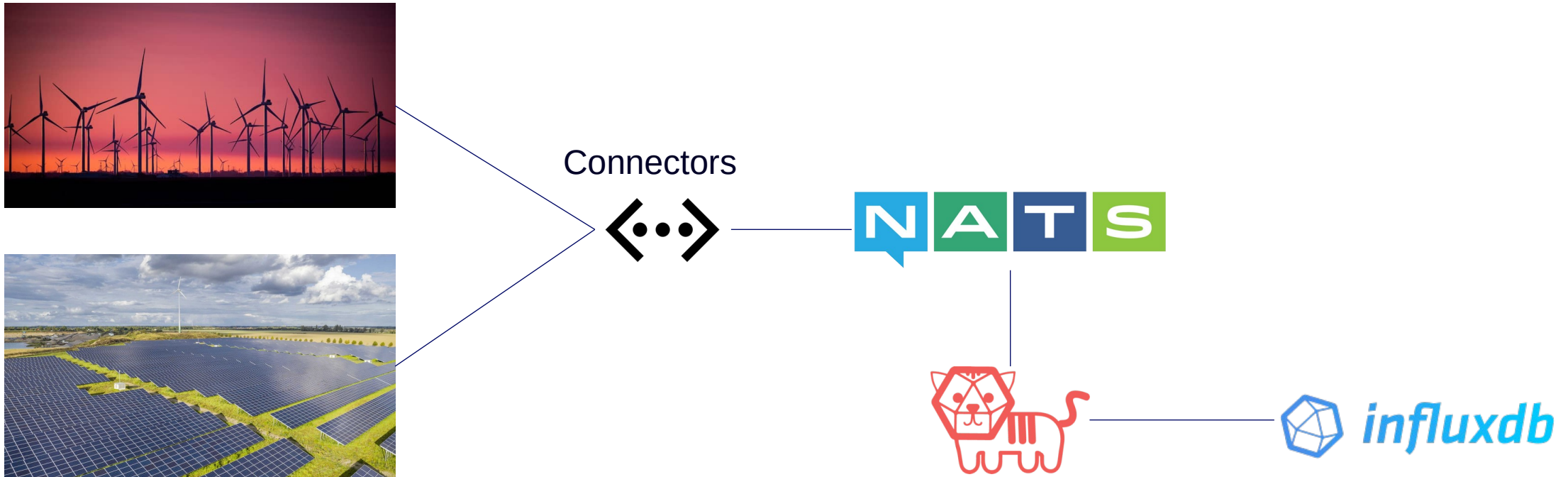


# Gridfuse

GOLANG MEETUP 32

25.11.2022

# Architecture



# Technologies

- NATS (<https://nats.io/>)
- Telegraf (<https://www.influxdata.com/time-series-platform/telegraf/>)
- InfluxDB 2.x (<https://www.influxdata.com/products/influxdb-overview/>)
- All written in golang
- Backend written in golang
- Frontend written in typescript (remix)

# Problem

- We have events like this
  - Subject: “platform.asset.43”
    - Platform is a namespace
    - Asset is a kind of entity
    - 42 is the primary key for this asset
  - Payload

```
{
  "id": "37d8094b-1ccb-40a9-af0a-5e049dbb3c84",
  "value": 3.14,
  "quality": 1,
  "timestamp": "2022-01-01T00:00:00Z"
}
```
  - Nats Consumer cannot utilize subjects, only the payload
  - Use Mqtt instead?
  - We change it and contribute!
  - <https://github.com/influxdata/telegraf/pull/12274>