

# POLYGONVATRO: MORE EFFICIENCY WITH IOT AND THE CONNECTED THINGS INTEGRATOR

Transparent energy consumption through  
current-measuring boxes



POLYGONVATRO GmbH is the specialist for property reconstruction after fire, water and climate-based damages. It is part of the Polygon group that is represented worldwide with:

- Almost 3,000 employees processing approx. 250,000 orders annually from companies, private households, the public sector and insurance companies
- More than 300 locations in 13 countries on 3 continents

POLYGONVATRO records the energy consumption of their devices using its PV-E-BOX. This data is then downloaded from the cloud and used for a precise energy consumption report. The underlying current-measuring box is part of the Connected Things Integrator (CTI) and can also record operational and locational data of construction equipment in line with the business activities of the relevant players – tailor-made for all customer needs.

## CHALLENGE

- High time and cost pressure at construction sites
- High logistical effort for device management and for current reading
- High susceptibility to errors due to manual data acquisition
- Insurance companies require an exact proof of energy consumption
- Inefficient and lengthy information flow
- Increase of the device availability

## SOLUTION

- Fully automated recording and documentation of energy consumption from 20,000 current-measuring boxes in the field
- Mobile transfer of the energy consumption data from the current measurement boxes into the Telekom Cloud of Things
- Storage, processing and analysis of the acquired consumption data
- Provision of the data for ERP and CRM systems through interfaces. e.g. for invoicing or project planning

## CUSTOMER BENEFITS



### Less effort

Manual work is not required, e.g. for data acquisition and transfer into the invoicing systems



### Legal conformity

In accordance with the Weights and Measures Act



### Supported accounting

Fast, accurate invoicing, e.g. with the insurance companies, and cash flow optimization



### Great time savings

Fast, accurate and paperless collection of the meter readings



### Integrated optimization

Improvement of processes and productivity, faster project processing



### Predictable costs

End-to-end solution with monthly leasing costs per measuring box