

IoT Use Case: Machine Monitoring

Key features:

- Fully customizable IoT platform based on Thingsboard, capability for hundreds of Devices
- Values are stored in a Database, historical values can be shown for anytime in the past for troubleshooting
- Live Dashboard view, values refresh without page reload
- Low running cost (Server instance: 20-50 € / Month)
- Low payload size to keep data transfer low
- All calculations and Data logging functions are done on server side
- Industry aproved Gateways to Transfer values from the field into the cloud
- Very small program adjustments on PLC-side has to be done in most cases none
- Comfortable Data overview via Collibellex mobile app available in Apple App store and Google Play store
- Server hosted in Germany
- Hourly or Daily reports via mail with Trace View

Network Infrastructure and cost overview

SRE-Solutions.com

by Rossmann-Engineering

Total estimated cost:

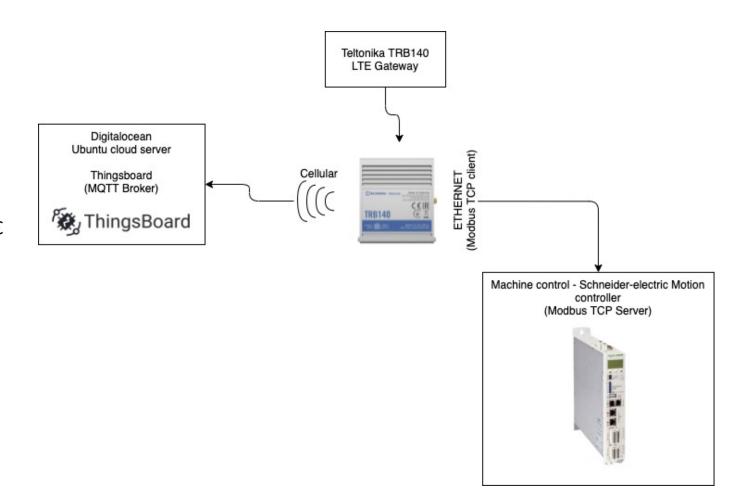
One time invest:

Teltonika TRB140 120,00 €

Monthly Running cost:

SIM-Card 3GB / Month 10,00 €
Digitalocean Ubuntu Sever 24,00 €

Licensing cost None

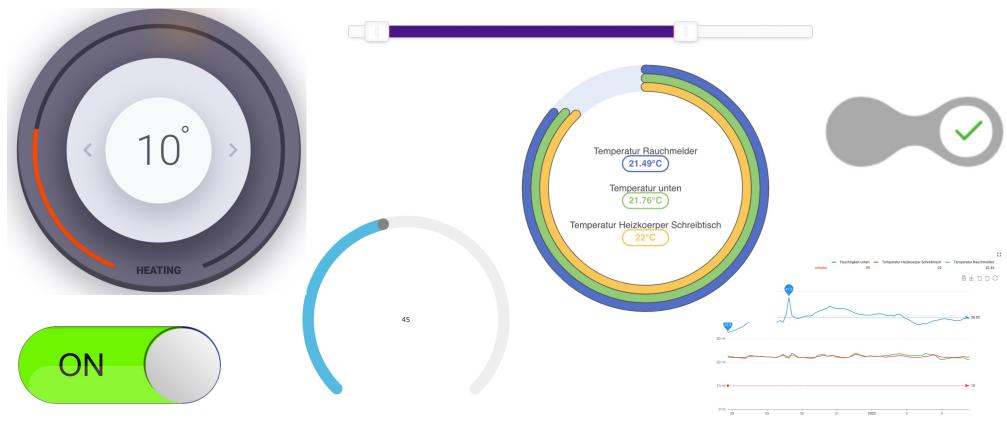




Open Source Widget devlopment on demand

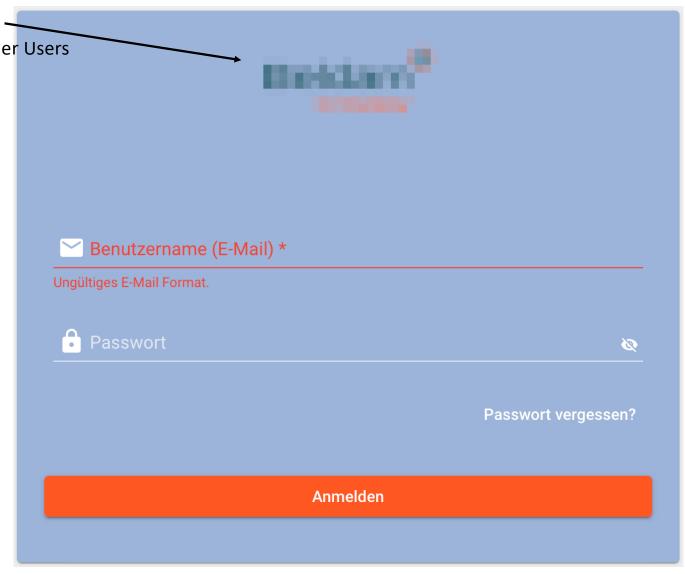
open-source widget library

https://github.com/rossmann-engineering/Collibellex-Thingsboard-Widgets

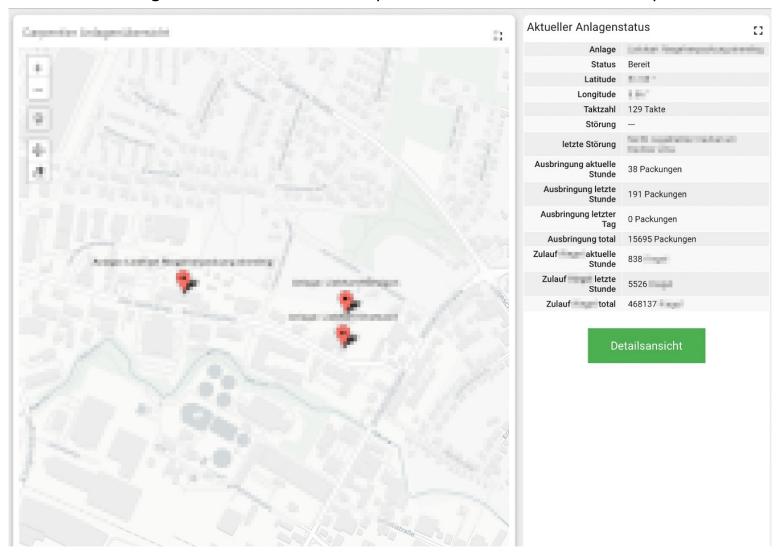


- Fully Customized Login Screen —

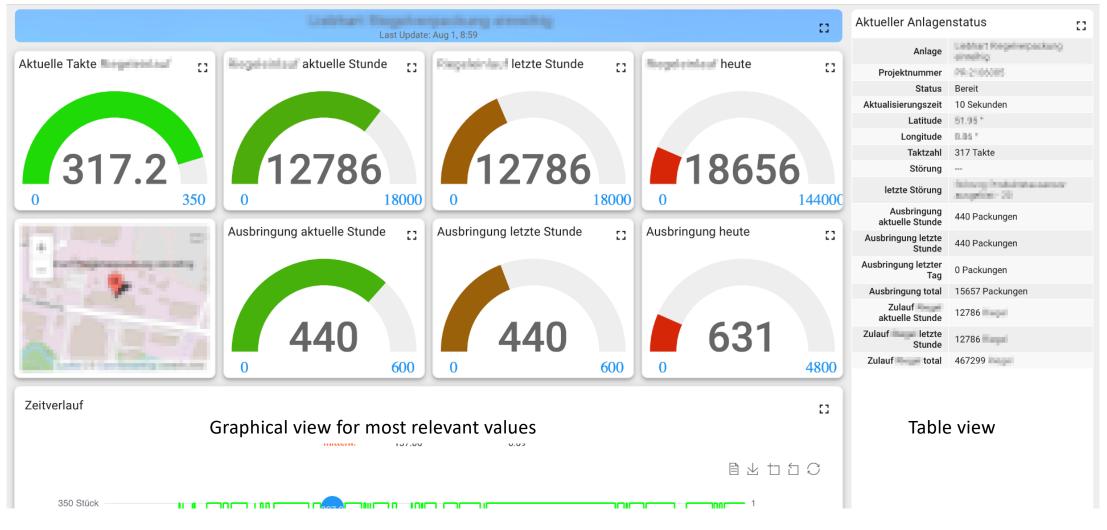
 User Management for Customer Users and Tenant Administrators



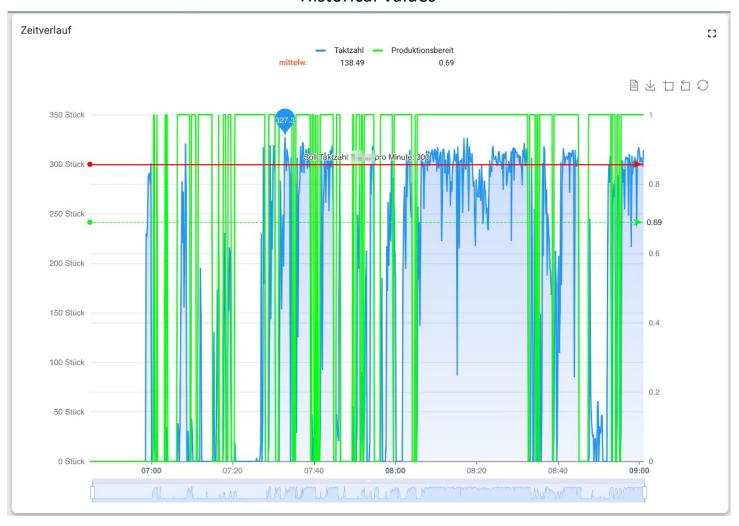
Overview showing all available devices – Map view and list view with most important values



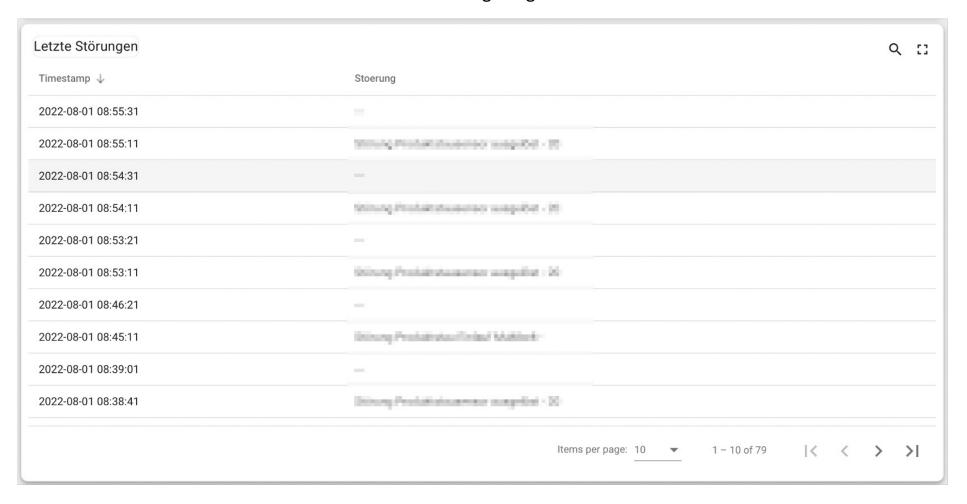
Dashboard overview for all relevant latest values



Historical Values



Message Log



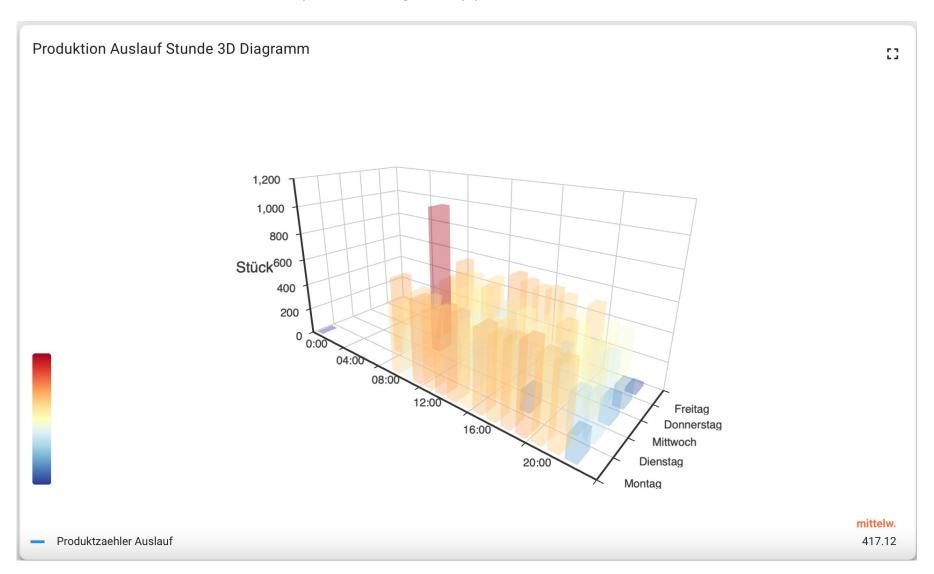
Last Hour Total Values

Stundenzähler Historie			۹ :
Timestamp ↓	Einlauf	Auslauf	
2022-08-01 09:00:00	12786	440	
2022-08-01 08:00:00	5526	191	
2022-08-01 07:00:00	344	0	
2022-07-29 12:00:00	740	48	
2022-07-29 11:00:00	8408	288	
2022-07-29 10:00:00	6225	221	
2022-07-29 09:00:00	11401	383	
2022-07-29 08:00:00	8820	273	
2022-07-28 17:00:00	192	42	
	Items per page:	10 ▼ 1 − 10 of 35	< > >1

Last Days total values

Tageszähler Historie		Q []
Timestamp ↓	Einlauf	Auslauf
2022-08-01 02:00:00	0	0
2022-07-31 02:00:00	0	0
2022-07-30 02:00:00	35594	1213
2022-07-29 02:00:00	93384	3187
2022-07-28 02:00:00	118466	3993

3D Graphic showing hourly production in one week



Access via Collibellex-App – Fully customizable

