RCT

RCT MONITOR
Your Energy Management Platform

**Intelligent tank, meter & object monitoring
via Web & Mobile App**

- All your tanks, meters & installations always in view
- Minimum level & event alarms
- Consumption & demand analysis
- Valuable information about your resources
- New digital services for your business & the best proactive customer service

Remote Control Technology

RCT. Simplify monitoring.

The IoT-Platform for your Energy World

Simply and securely communicate, visualise, alert & analyse

Smart tank, energy & object monitoring

With the RCT Monitor App, you can turn your PC or smartphone into an efficient monitoring centre. The IoT platform is a cloud-based solution for applications in the "Internet of Things" of the energy world. The easy and intuitive to use platform offers diverse processing and evaluation functions for simple to complex data management.

The best database for your business

All data from countless RCT IoT devices can be conveniently recorded, managed, analysed in the RCT Monitor App and automatically transmitted to various reporting centres .
You decide where the messages are documented and who gets to see the data. By analysing the information, insights can be gained, well-founded and strategic decisions can be made much easier and new business models can be developed.

Data as a service that also reaches your customers

Via the RCT Monitor platform, not only you, but also your customers, logistics employees or individual petrol stations and properties can gain access to the relevant tank and property data. Grant differentiated access authorisations to various instances or set up automatic notifications via email, push message or SMS.

Data as a service through differentiated user access, plus targeted data & alarm forwarding for different instances, e.g.:

- Central Administration & Maintenance
- Merchandise Management & Purchasing
- Individual property management & service stations
- Logistics staff, tanker fleet
- Caretaker & emergency services
- End users

All your tanks, meters & installations at a glance in the RCT Monitor App
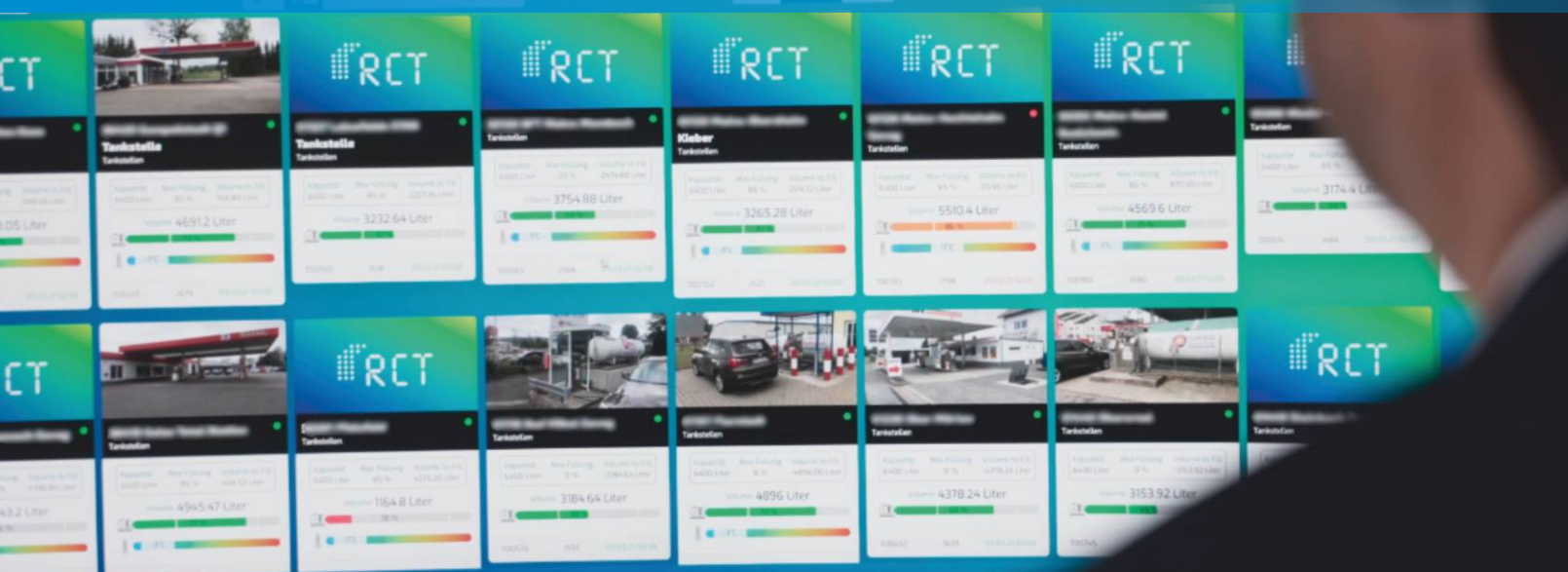
RCT MONITOR

FOR STATIONARY & MOBILE
TANKS, BARRELS & CONTAINERS

LPG   OIL   AQUA   MULTI

Full resource & demand control

Level monitoring for energy suppliers, petrol station operators, municipalities & building management companies - also useful for individual tanks & private users

Can be personalised
e.g. logo/colours/
functions

Filter by
application

View as table |
index cards | geodata

Export
functions

Groupings
e.g. by medium/
customer/property

Display of real demand for
individual tanks & groups

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RCT MONITOR

FOR METERS, HEATING SYSTEMS, TECHNICAL INSTALLATIONS & CONDITIONS IN BUILDINGS

- Meter readings/pulses e.g. oil, gas, electricity, water, operating hours
- Temperatures of the heating circuit, room & media temperature
- Relative humidity
- System malfunction/failure
- Motion detector
- Pressure
- Customised sensors & applications

Automatic documentation & targeted alerting
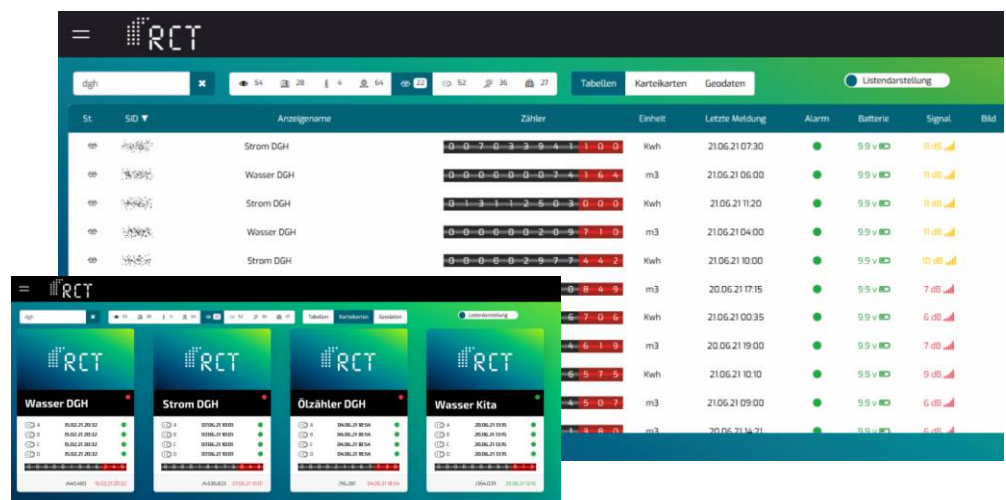
Plant monitoring for facility management, public buildings, public utilities & energy suppliers

EXAMPLE
Overview meter readings

All current meter readings & messages at a glance with filter, grouping & export functions

Critical conditions & alarms immediately recognisable through coloured markings

| Tank | Temperature | Pressure | Counter | Contact | MULTIview | Heating |

The main features

○ **Overview** of all levels, measured values, conditions

○ **Fully automatic data acquisition** at definable intervals (daily/hourly, etc.) & on event

○ **Notification** of definable limit values & alarms (e.g. minimum/maximum fill levels, leakage, filling, system malfunction, etc.) - forwarding as push message, e-mail & SMS also possible

○ **Virtual alarms** e.g. in the event of exceptional consumption

○ **Grouping functions** e.g. customers/media...

○ **Demand display** of individual tanks & groups

○ **Graphical visualisation** of history data (bar chart/ line chart/table)

○ **Consumption analysis & comparison** of different time periods

○ **Extrapolation:** How long will the tank content last?

○ **Location recording** automatic/manual

○ **Recording & display of geodata** for optimal route planning

○ **Logbook & documentation** of object information, photos, filling logs, prices, inspections etc.

○ **Export functions** e.g. to Excel

○ **Differentiated access** for administrators, employees & customers to the relevant tank & property data

○ **Messenger functions** for direct contact with customers & employees
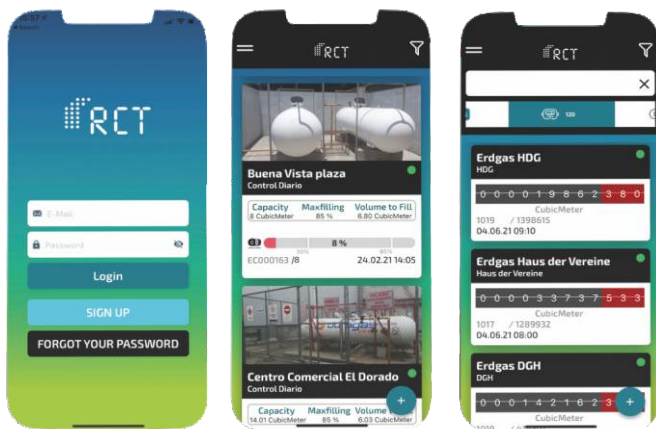
SMART SERVICES
Controllable with voice assistants such as Siri, Alexa, Google ...
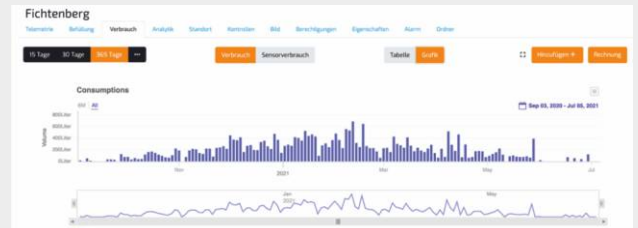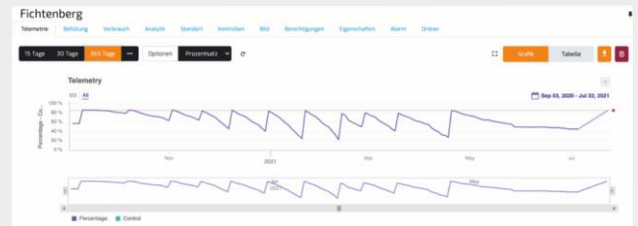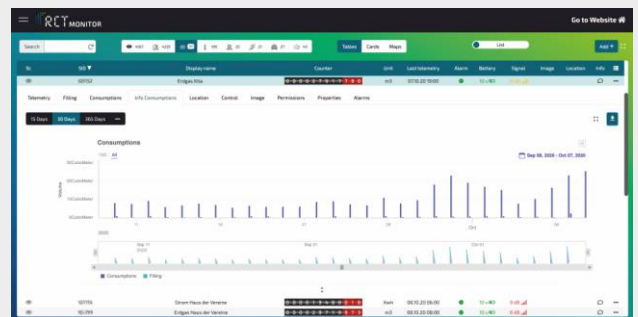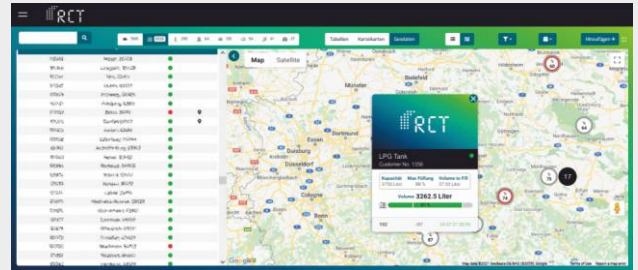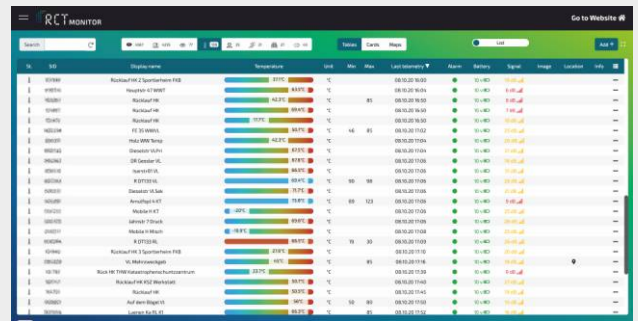
WEB APP as desktop application
Open web browser on PC and enter the following URL: **https://app.rctmonitor.com**

MOBILE APP "RCT Monitor"
Download free of charge in the App Store for IOS and Android

Download on the **App Store**   GET IT ON **Google Play**

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Data Management & Security

Secure end-to-end digitisation - data exactly where it is needed

The transmission from the IoT transmitting units to the server is encrypted via IPSec tunnel of Deutsche Telekom, via GPRS encrypted by IMSI and SID or via NBIoT via IP VPN. Other transmission options such as Sigfox, LoRa and CATM1 are also possible upon customer request.

RCT also offers programming interfaces (API) for data forwarding, organises equipment and user accounts, configures the data solutions and much more.

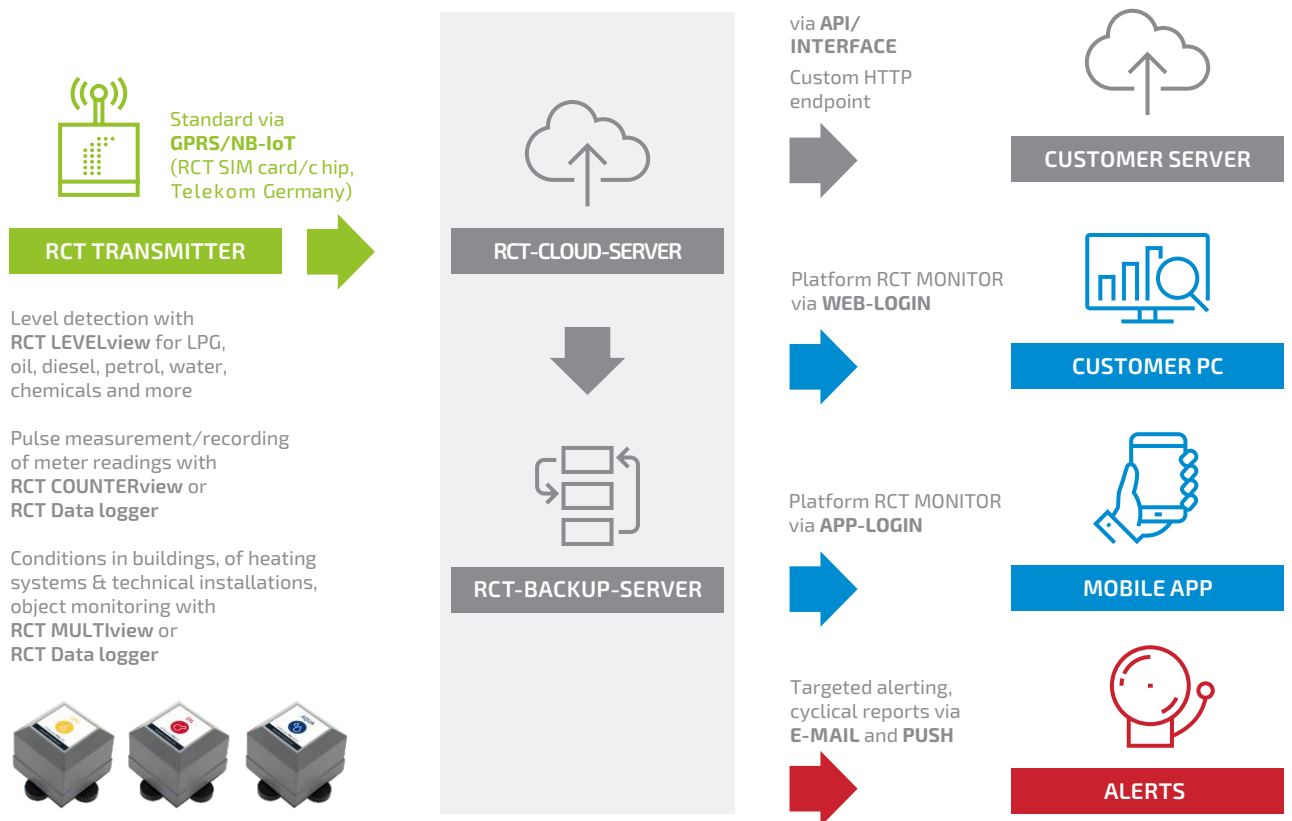Data monitoring is carried out via Mobile & Web App by operating a web server at Amazon Web Services. All data is stored redundantly on different servers in different countries. RCT uses the services and hardware of Amazon and Telekom for this purpose. Customer-specific developments can also be stored with other providers.

RCT processes personal data within the meaning of Art. 4 No. 2 and Art. 28 of the GDPR.

Standard via
GPRS/NB-IoT
(RCT SIM card/chip,
Telekom Germany)

RCT TRANSMITTER

Level detection with
RCT LEVELview for LPG,
oil, diesel, petrol, water,
chemicals and more

Pulse measurement/recording
of meter readings with
RCT COUNTERview or
RCT Data logger

Conditions in buildings, of heating
systems & technical installations,
object monitoring with
RCT MULTIview or
RCT Data logger

RCT-CLOUD-SERVER

RCT-BACKUP-SERVER

via **API/
INTERFACE**
Custom HTTP
endpoint

CUSTOMER SERVER

Platform RCT MONITOR
via **WEB-LOGIN**

CUSTOMER PC

Platform RCT MONITOR
via **APP-LOGIN**

MOBILE APP

Targeted alerting,
cyclical reports via
E-MAIL and **PUSH**

ALERTS

Standard or customised?
Data management solutions for every requirement profile

The wide range of possible applications for RCT technology - from energy suppliers, municipalities and logistics companies to private tank users - brings with it a wide variety of requirements. That's why we offer platforms and data management solutions tailored exactly to your

needs: Start quickly and easily with the standard "RCT Monitor" platform or let us develop a solution tailored exactly to your requirements - **exactly for your business, in your design and data sovereignty in your hands!**

Top data service that pays off

How you benefit and create long-term added value for your business

ENERGY SUPPLIER & MANAGER

Full resource control, automated processes & the best customer service

- End-to-end digitalisation of all energy resources, goods & processes
- Reduced administrative effort through automated complete documentation & traceability
- No control rounds or reading on site
- Exact determination of demand of individual tanks/groups
- Consumption analysis & comparisons
- Pre-calculation of filling times
- Data-based decisions, precise planning
- Save time & costs through complete automation, optimal route planning & efficient processes
- Competitive advantage through top service for energy customers: Seamless energy supply, proactive offers according to real needs, energy diary & consumption control for customers via Web & App ...
- New smart business models & service offers

LOGISTICS & TANKER FLEET

Efficient planning & tools on the road

- Precisely plannable energy deliveries according to real demand
- Reduction of logistics costs through optimal route planning
- Information on location & customers incl. geodata of the tanks
- Logbook & documentation of fillings & on-site tank inspections via App
- Emergency instructions, service & contact addresses

EMERGENCY SUPPORT & SERVICE

No downtimes due to punctual alerting

- Immediate notification of the correct reporting office/person via the platform or as a forwarding via push message, e-mail or SMS
- Early detection of problems enables fast, targeted action & minimises downtime
- More safety & availability - less unproductivity & losses

TANK USERS & END CUSTOMERS

The direct link to your energy customers

- Energy diary & convenient consumption control through own access to the platform via Web & App
- Efficient use of tank capacity
- Proactive offers according to real demand
- Plannable energy purchase at favourable prices & pool order with other energy customers

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RCT

Would you like more analysis?

Would you like more functions or an exclusive service app for your customers?
Do you want to optimise the processes of different areas in your company with digital tools?
Your merchandise management and billing departments or facility management should receive the data they need - no more and no less?

Tell us your ideas and requirements! RCT's team of programmers will design and develop customised monitoring applications for you, integrate the data into your existing ERP systems, mobile phone apps, web shops and online systems and much more!

About RCT

RCT Remote Control Technology, based in Gladenbach, Germany, is one of the leading IoT solution providers for the smart remote monitoring of tank installations in demanding Ex environments in the energy industry and of operating states in building services.

The company supports energy suppliers, petrol station operators as well as public utilities, municipalities and property management companies on the path to digital transformation - and taps the potential of the "Internet of Things" for more efficient business processes.

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Status: 04/2022
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