



RCT Digital Application Center

The new IIoT platform for intelligent tank, meter, energy and object management



Remote Control Technology



RCT. Simplify monitoring.



New IIoT platform for your Energy World

Simply and securely communicate, visualize, alert and analyse

RCT's Digital Application Center (DAC)

connects the world of Operational Technology (OT) with the digital world of Information Technology (IT) and AI (Artificial Intelligence). The sensor data generated in tank systems and building technology can be recorded, stored and evaluated via the IIoT platform - and used as the basis for simple monitoring, predictive logistics planning and more efficient business processes.

Smart tank, energy and object monitoring

No matter whether you want to monitor just one tank or many different tanks, meter readings, objects and operating statuses - with the cloud-based IIoT platform "DAC" you have all measurement data and messages at a glance - on any PC/tablet/smartphone: accessible anytime and anywhere, intuitive to use, with a customizable dashboard for a quick overview and detailed analysis and forecasting tools, plus targeted alarming for critical conditions and limit values and automatic data exchange with customer's own ERP systems via APIs (programming interfaces).

Now with better data security, greater transparency, flexibility, convenience and support.

Data as a service that reaches your customers

Via the DAC platform, not only you, but also your customers, logistics employees or individual petrol stations and properties can gain access to the relevant tank, meter and property data. Grant differentiated access authorisations or set up automatic notifications via email, push or SMS to deliver relevant information directly to responsible persons.

Data as a service for different instances, e.g.:

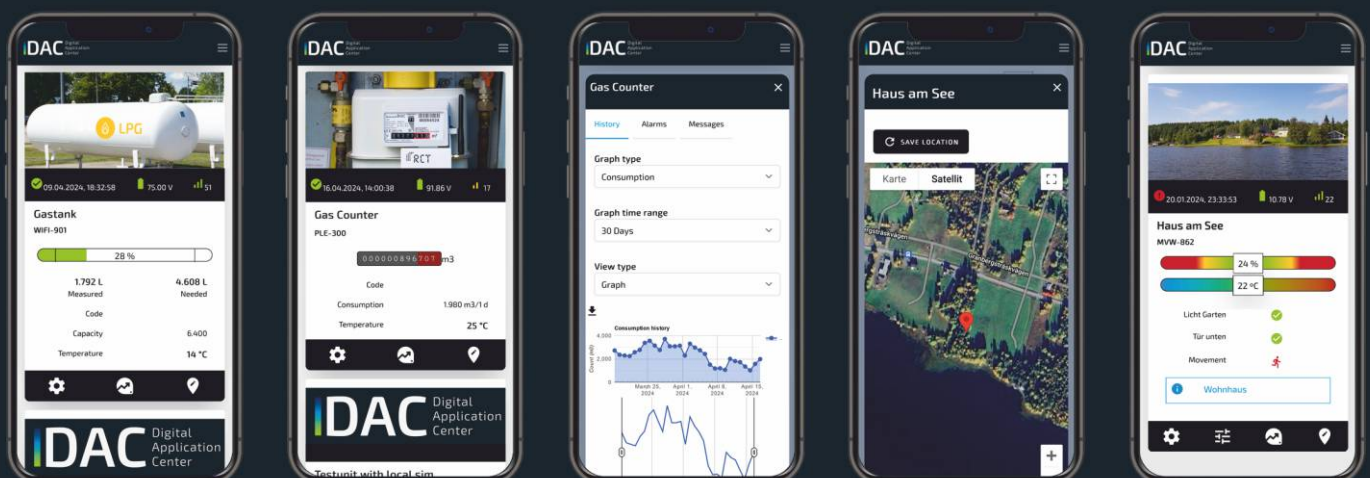
- Central administration and maintenance
- Merchandise management and purchasing
- Individual property management
- Petrol, gas and service stations
- Logistics employees and tanker fleet
- Caretaker and emergency services
- End users



WEB APP ▶ Enter „webapp.r-c-t.biz“ in a web browser on PC or mobile device

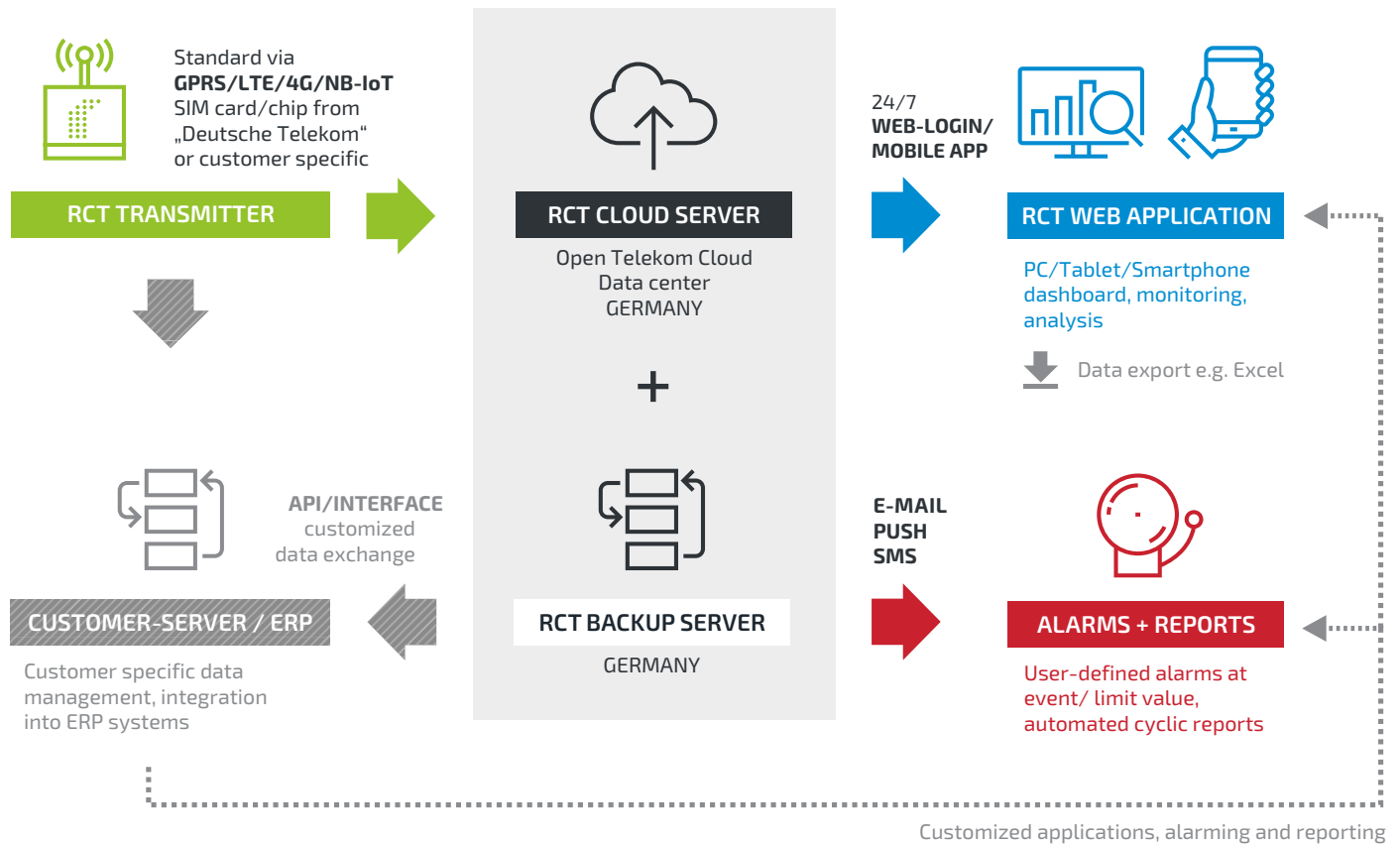


MOBILE APP ▶ Install „RCT Webapp“ on your mobile device (QR Code on the back)



From the transmitter to your monitor

Secure end-to-end digitization with cloud-based data management



Smart energy management. With new IIoT platform and AI.

- Valuable energy resources firmly in view
- Alerting for minimum fill levels and other events
- Consumption and requirements analysis
- Specific forecasts
- New digital services for your business and best proactive customer service



RCT. Simplify monitoring.



Customizable dashboard for your daily tasks

With tank tool all fill levels, requirements and forecasts at a glance

A flexible dashboard, that can be set up individually, enables the user to extract and bundle exactly the information that is important for the daily work in various business areas, e.g.:

- Which tanks are to be filled?
- What is the total requirement of selected tanks for precise order picking, warehouse management and route planning?
- What is the average daily consumption?
- When are the tanks expected to be empty?
- Which tanks have been filled in the last few days?
- Are there new alarms generated by the device or virtually?
- What service tasks do technicians have to do (e.g. tank inspection, check signal, change batteries)?

NEW WITH BENEFICIAL TANKTOOL-WIDGET:
Grouping and filter functions for quick selection of specific objects by tank level, group, medium ...

Quick access to detailed object data, geo position and history - for one object or specific groups

All selected tank levels at a glance

Total needed filling of the selected tanks

The screenshot shows the DAC Tanktool dashboard with the following sections:

- TANK LEVELS:** A list of fill level ranges (1%-10% to 91%-100%) with corresponding counts.
- GROUPS & FILLING:** A table showing remaining and needed volumes for various groups like Depot, Autogas stations, Industry, etc.
- TANK CONTENTS:** A table showing remaining and needed volumes for different tank types like Propane, LPG, Diesel.
- Selected tanks:** A table listing tanks with columns for SID, Customer, Object name, Capacity, Signal, Battery, and Last telemetry.
- Low signal (1):** A section highlighting tanks with low signal, such as a Greenhouse.
- New notes:** A section for recent service notes.
- Selected Object: LPG Station - SID Demo-T-0026:** A detailed view for a specific tank, including a history graph of filling percentage over 90 days.
- Summary:** A total needed filling of 77,521 L.

All critical conditions and important information at a glance, e.g. low level / battery / signal; alarms in the last ... days; refills in the last ... days; individual notes

Graphical representation of history data and trends, e.g. filling level, consumption, temperature ...

Individual info

Data export

Energy providers rely on IoT solutions from RCT

Benefit from new smart customer services

Supplying liquefied gas alone is no longer enough. Today, energy suppliers must offer their customers more - especially in the current energy crisis with resource shortages and rising prices. Smart, digital solutions are required that provide customers with maximum transparency in energy consumption.

- ✓ More data - less kilometers
- ✓ Automated business workflows
- ✓ Prediction of filling times and consumptions
- ✓ Efficient route planning
- ✓ Well-founded decisions through analysis of history data and extrapolations
- ✓ Smart proactive customer services



„With RCT's smart monitoring technology, we have the levels of our own liquid gas tanks as well as those of our customers, always and at all times firmly in view. In addition, it enables us to offer our customers new, smart services.“

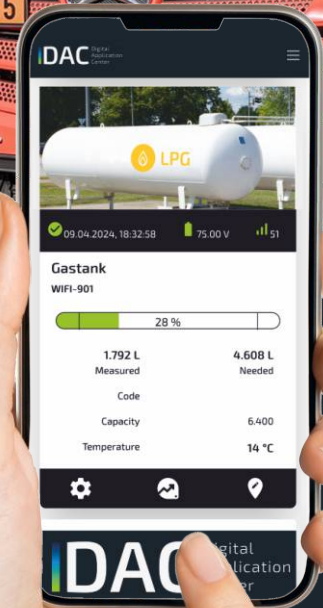
Friedrich Rath
CEO Friedrich Rath GmbH & Co. KG
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Actions	SID	Object name	Percentage	Capacity	Signal	Battery	Last telemetry
Agriculture Tanks > ± 47 tanks, total volume: 160.280							
Fuel Depot v ± 5 tanks, total volume: 271.563							
⚙️	85-102775	Filling Propellant Gas	52%	6.400 L	13	10.50 V	21.05.2024, 06:33:08
⚙️	85-102773	Filling Propan	55%	57.000 L	14	11.00 V	21.05.2024, 06:29:09
⚙️	86-102623	AdBlue	58%	84.000 L	7	9.90 V	21.05.2024, 07:06:56
⚙️	86-102624	Biodiesel	61%	300.000 L	8	9.90 V	21.05.2024, 06:16:58
⚙️	86-102774	Ethanol fuel	84%	6.400 L	13	10.50 V	21.05.2024, 06:31:09
Industrial Tanks v ± 14 tanks, total volume: 5...							
⚙️	88T-000613	Paint shop	22%	6.400 L	25	11.90 V	21.05.2024, 04:04:26
⚙️	88C-0204013018	Paint shop	32%	6.400 L	23	11.64 V	20.05.2024, 16:32:20
⚙️	88T-000632	Production Hall 1	35%	6.400 L	31	12.30 V	20.05.2024, 22:45:2
⚙️	88T-000635	Production Hall 2	40%	6.400 L	16	12.20 V	20.05.2024, 23:01:3
⚙️	88E-0204013773	Animal Feed Production	42%	6.400 L	22	11.86 V	20.05.2024, 16:38
⚙️	88T-000631	Bakery	50%	4.850 L	14	12.30 V	20.05.2024, 19:0
⚙️	88T-000620	Automobile	52%	6.400 L	22	12.30 V	21.05.2024, 0
⚙️	88T-000636	Dairy plant	75%	6.400 L	11	12.10 V	21.05.202

TANK OVERVIEW

All tank levels at a glance with features for grouping, sorting, filtering, color highlights, calculated requirements and total amounts



RCT. Simplify monitoring.



Data service that pays off

The main features to generate long-term added value for your business

Correctly correlating and interpreting data provides useful insights: for good, sustainable decisions, better planning and forward-looking logistics and services. With our IIoT platform, we offer helpful processing and analysis functions - using more and more AI for support!

Utilize the potential of data

- **Precise automatic data collection**
- **No control rounds or reading on site**
- **Overview** of all levels, meter readings, temperatures, pressures and further conditions
- **Useful grouping and filtering functions**
- **Display as list, cards or in geographic map**
- **Exact calculation of requirements** of single tanks and groups
- **Localize systems** with maps function
- **Logbook for documentation and traceability** of measurements, events, further object information, photos, fillings, inspections, prices ...
- **Mobile support** for tanker fleet and service staff
- **Data export**, e.g. Excel, API interfaces, integration into ERP systems
- **Differentiated access**, e.g. for administrators, employees, customers to relevant objects

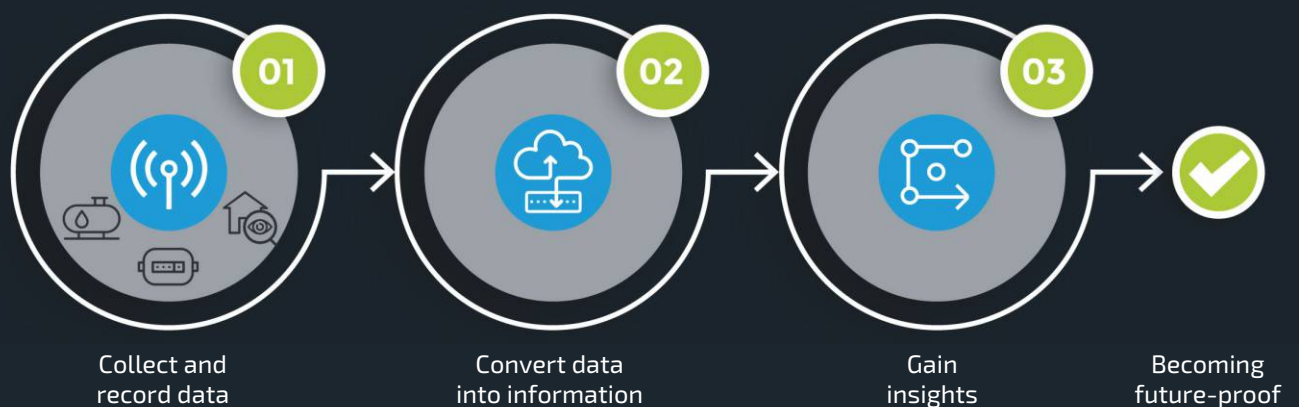
Turn data into smart information

- **Customizable dashboard** (see page 4)
- **Full resource and demand control**
- **Graphical visualization** of history data
- **Analysis** of historical data, consumptions, trends and patterns
- **Automatic notifications from device and virtually**, e.g. definable limit values, exceptional consumption, filling, leakage ...
- **Targeted alerting** of responsible reporting points and persons via App, e-mail, push, SMS or customers ERP system
- **Early detection of problems** enables fast, targeted action and minimizes downtime

Make predictions and decisions through precise knowledge

- **Extrapolation and predictions** e.g. filling times, energy consumptions in x days, future events
- **Optimized scheduling and logistics planning**
- **Resource-saving truck and route planning** according to real requirements
- **Plannable energy procurement** - enables favorable prices, pool orders, special offers for end customers

Digitization in just 3 steps:



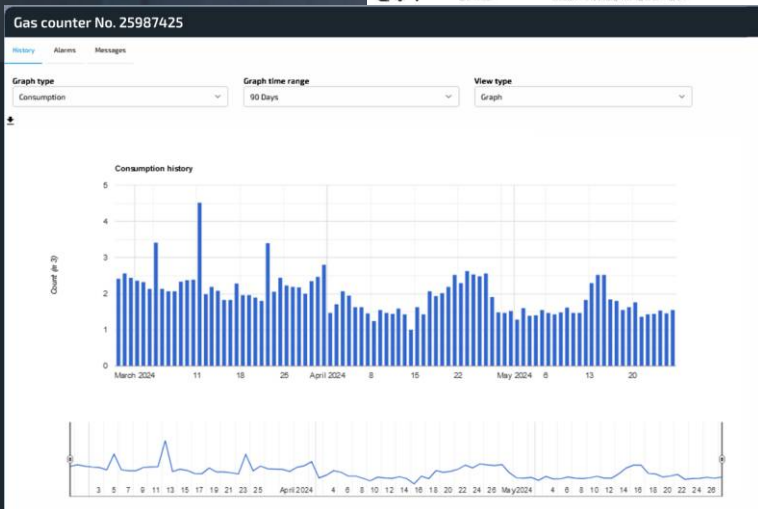
- ✓ Save time, costs and resources through complete automated processes and precise planning
- ✓ Reduce administrative effort
- ✓ More safety and availability - less unproductivity and losses
- ✓ Competitive advantages through top service for energy customers, e.g. seamless energy supply, proactive offers according to real needs, smart energy diary and convenient consumption control via own access to the platform



iDAC Tanks Counters Temperature Pressure Location Multiview Contact sensors Multi objects Devices

Filter Show all groups 0 25 68

Count	Consumption	Period	Last telemetry	Battery	Signal
000003661833	1,550m3	1d	26.05.2024, 11:24:13	87.02%	13
000003638594	0,210m3	1d	26.05.2024, 16:16:14	86.88%	31
000003585955	0,290m3	1d	27.05.2024, 00:25:23	87.77%	19
000003478682	0,200m3	1d	24.05.2024, 16:29:16	97.07%	9
000003429292	0,200m3	1d	26.05.2024, 12:06:53	87.59%	18
000003262970	1,220m3	1d	26.05.2024, 16:19:05	91.13%	26
000003267888	0,080m3	1d	27.05.2024, 00:25:16	96.27%	11
000003174850	0,650m3	1d	26.05.2024, 09:53:13	87.71%	12
000003182547	0,060m3	1d	27.05.2024, 00:25:26	91.64%	17
000003092893	0,090m3	1d	27.05.2024, 00:16:44	89.35%	19
000003082593	0,260m3	1d	27.05.2024, 00:31:11	96.22%	11
000003077643	0,580m3	1d	26.05.2024, 13:09:40	87.15%	11
000003068893	0,210m3	1d	27.05.2024, 00:25:21	95.19%	13
000003056744	0,620m3	1d	26.05.2024, 11:36:20	88.17%	14
000003055873	0,620m3	1d	27.05.2024, 05:10:15	87.04%	19
000003055960	0,470m3	1d	26.05.2024, 12:37:35	87.96%	31
000003045190	0,390m3	1d	27.05.2024, 00:21:51	87.54%	11
000003048740	0,000m3	1d	26.05.2024, 11:58:02	86.93%	18
000003041954	0,460m3	1d	27.05.2024, 00:24:01	88.41%	13
000003040900	0,660m3	1d	27.05.2024, 00:25:56	89.44%	13
000003038072	0,630m3	1d	27.05.2024, 00:20:33	88.89%	16
000003037397	0,230m3	1d	26.05.2024, 18:06:01	88.24%	15
000003036740	0,380m3	1d	25.05.2024, 13:15:14	86.39%	19
000003036740	243,240m3	1d	29.03.2024, 12:21:14	93.28%	13



CONSUMPTION HISTORY

METER OVERVIEW

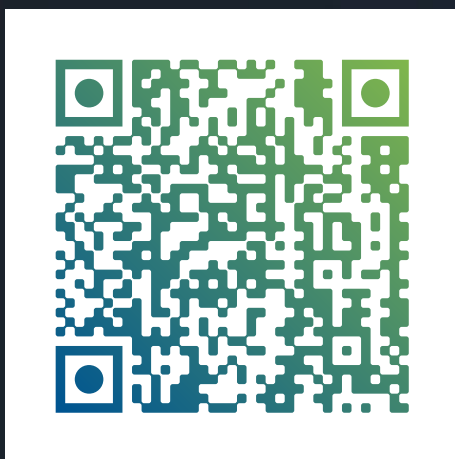
All meter readings with daily consumptions and device status at a glance - with features for grouping, sorting, filtering, color highlights



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Get the „Digital Application Center“ here by scanning the QR Code:



Highest data security

RCT's Digital Application Center (DAC) meets the highest security standards. The data is stored in one of the most modern and secure data centers in the world: the Open Telekom Cloud. This ensures that all your data remains in Germany and the EU - in strict compliance with data security in accordance with the European General Data Protection Regulation (GDPR).

With a permanent maximum availability of 99.999%, the Open Telekom Cloud offers maximum reliability - plus an emergency power supply for a minimum of 48 hours.

RCT.

All from a single source

HARDWARE

Development, approval, manufacturing and distribution of sensors, IoT transmitter and receiver modules

SOFTWARE

Monitoring and data management platforms via Web and Mobile App, interfaces and data integration

SERVICE

Assembly and on-site service, integration into existing system technology, rental systems, connectivity, monitoring



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