



**LAN-WAN-Consult**

IT CONSULTING · TUTTLINGEN

## PRODUCT PRESENTATION

# ITRoomCAD

Server rooms **surveyed, planned, checked  
& documented** – on site, on the iPad.

Now on the App Store



## THE PROBLEM

# Server room docs today: tape measure, sketch pad, rework.



**On site:** measurements on paper, photos on a phone, details that go missing – and a second visit because one dimension was forgotten.



**Back at the office:** everything is keyed into CAD again – hours of rework, transcription errors included.



**Afterwards:** the plan is out of date after the first change, because keeping it current is too much effort.

## THE SOLUTION

# From tape measure to finished drawing – in one visit.

The CAD app for IT rooms: built for the site walk, with a server and web client for the team.

1

### Survey

Walls as a chain, dimensions by laser or by hand.

2

### Plan & check

Place racks, cooling and trays – check defects and standards.

3

### Document

DXF, PDF, 3D and reports straight from the app.

# Laser-assisted survey

- ✓ **Draw walls as a chain**

Inner face = clear dimension, the way you really measure on site.

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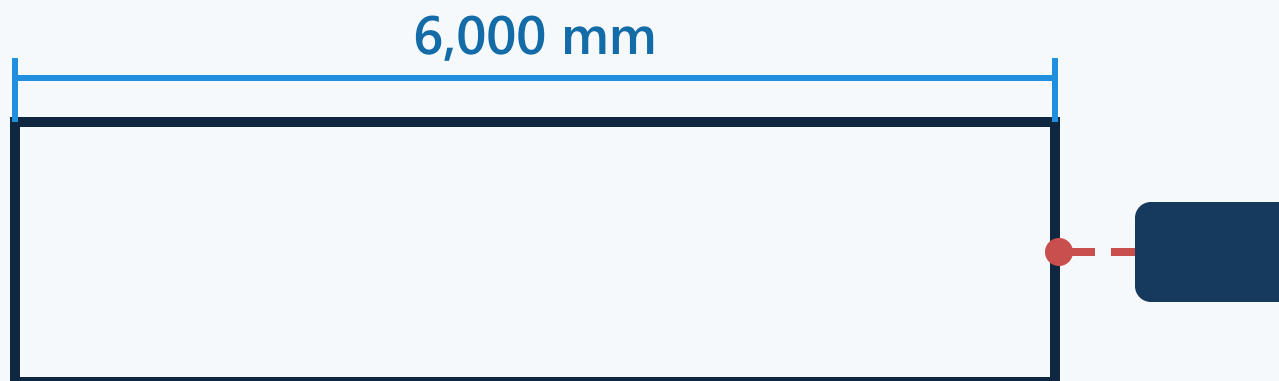
- ✓ **Laser distance meter via Bluetooth**

e.g. Bosch GLM – reading goes into the dimension, typing always works.

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- ✓ **Floor plan as a template**

Place a PDF plan with two-point calibration and trace over it.



# Racks & cooling units

✓ **Standard sizes from the catalogue**

600×800 to 800×1200 – place, move, rotate.

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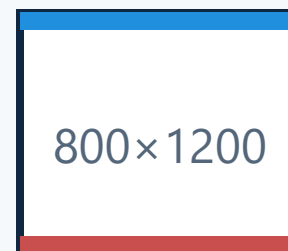
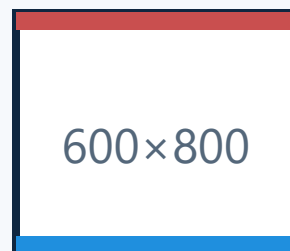
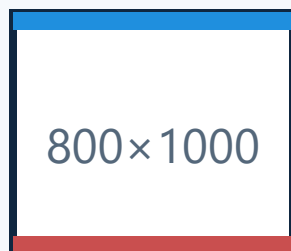
✓ **Cold/hot air and doors**

Front blue, rear red; doors hinged left, right or double.

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✓ **Populate unit by unit**

Devices with power draw, PDUs on feed A/B and cabling.



# Raised floor & cable trays

- ✓ **Parametric raised-floor grid**

Origin, rotation, grid size – including vented and special tiles.

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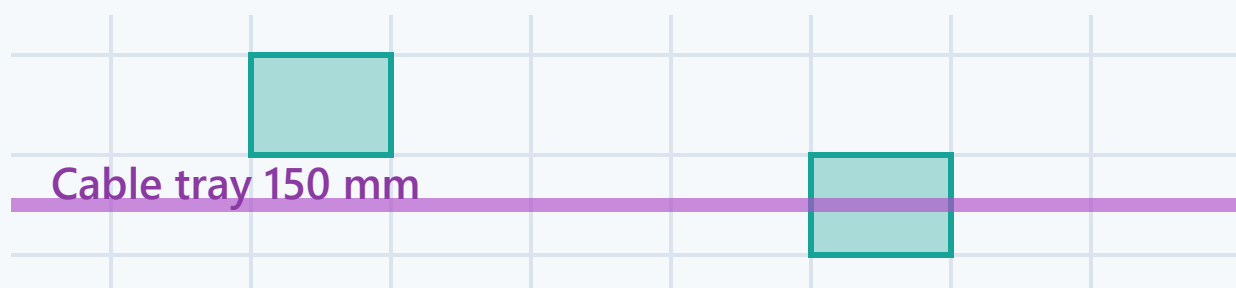
- ✓ **Cable trays & air ducts**

At any height you choose – also below the raised floor.

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- ✓ **Height levels managed centrally**

Finished floor, tray, suspended ceiling – objects take on the level.



# Parametric dimensioning

- ✓ **Change the dimension, the object moves**  
Not the other way round: the number leads, the geometry follows.
- ✓ **Choose any measuring origin**  
Wall, raised floor, rack or door as the reference – as on site.
- ✓ **Dimensions stay linked**  
Stretch a wall → dimension chain, area label and distances follow.



# Spot defects before they get expensive

✓ **Room check**

Cooling and power from planned values or installed kit, incl. n+1.

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✓ **Standards check**

Stairs and ramps per German workplace rules, exit doors, EN 13501-2.

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✓ **Risk assessment**

5×5 matrix following the HSE method, data-centre templates.

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✓ **One defect list for everything**

Every item takes you straight to the object in the plan.

# A guided walkthrough, not a checklist

✓ **One question per page**

Yes, No or N/A – every No becomes an open item.

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✓ **Photo evidence & follow-ups**

Questions can require a photo; a No can trigger follow-ups.

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✓ **Audit concepts**

e.g. Secure Area under ISO 27001 – as a released version.

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✓ **Audit report in German & English**

With follow-up at the next audit.

# 3D view at the push of a button

- ✓ **The whole room in 3D**

Walls, openings, racks, cooling, raised floor and tray heights.

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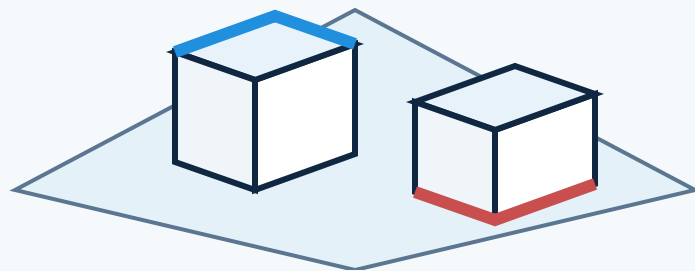
- ✓ **Cold and hot fronts visible**

Check the airflow in the room before anything is built.

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- ✓ **Export as image or 3D file**

PNG for presentations, USDZ for AR and sharing.



# Exports that fit your CAD workflow

- ✓ **DXF** – accurate to the millimetre  
Clean layer structure, correct character encoding – no fixing umlauts.

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- ✓ **PDF** – plans to scale  
With title block on A3, ready to send.

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- ✓ **FNT Command** – data-centre documentation  
Handover into your data-centre documentation.

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- ✓ **Reports** – openings, racks, photos  
Rack report with devices, ports and elevations.

FOR TEAMS

# ITRoomCAD Server

All rooms in one place, in the browser for the whole team.

✓ **Web CAD & 3D in the browser**

View and edit plans – with a hard check-out.

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✓ **Question catalogue & audit concepts**

Maintained centrally – iPad, phone and browser ask the same.

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✓ **Device catalogue with sets**

Servers, cards and modules with front and rear views.

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✓ **Sites, fibre & ACI**

Fibre routes on the map, Cisco fabric across several rooms.

NOW ON THE APP STORE

# Try ITRoomCAD Pro

The first week is free. For the server, rollout and training, we are happy to advise you.

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Native for iPad

German & English

Works offline

Laser: Bosch GLM

DXF · PDF · USDZ · FNT

