

In addition to the Technical Guidelines and Safety Regulations of WICM GmbH. This information sheet provides a summary overview. Please be sure to also refer to the Technical Guidelines and Safety Regulations of WICM GmbH.

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1. Suspended Structures in the Buildings of Wiesbaden Congress & Marketing GmbH

1.1. General Provisions for Suspended Structures

Suspended structures must be installed in accordance with the technical guidelines and safety regulations of WICM GmbH. The installed suspended structures may only be loaded with the weights specified in the order. As a general rule, suspended structures are not permitted outside of production and exhibition areas.

All loads to be introduced require prior inquiry and coordination with WICM GmbH. Any costs for a necessary structural analysis shall be borne by the client.

WICM GmbH reserves the right to require the use of load cells in individual cases. The resulting costs shall be borne by the client. Installation and monitoring shall be carried out by WICM GmbH's service partner.

1.2. Documents to be Submitted

The following information is required by WICM GmbH and its service partner no later than six weeks before the start of setup:

- Dimensioned sketch showing the positions of the desired suspension points
- o Clear orientation of the booth and the event area on the sketch (cardinal direction, neighboring booths...)
- Suspended loads per suspension point
- Planned installation aids ("Genie" lift, manual chain hoists/electric chain hoists)
- Desired hanger point heights, if applicable
- For statically indeterminate systems: (see industry standard SQP2)
 - o Load diagram showing total, individual, and line loads
 - o A structural certificate

1.3. Special Requirements for RMCC

Suspensions from the hall ceiling may only be carried out by WICM GmbH or its service partners.

The load-bearing capacity of the suspension points varies between 150 kg and 1,250 kg in the different rooms. (See 8.2–8.6)

1.4. Special Requirements for the Kurhaus

The presence of a rigger for setup and takedown is mandatory and must be booked through WICM GmbH. Load cells will be provided by WICM GmbH.

We would be happy to provide a customized quote for suspension points, including load cells and a rigger. Please inform us of the number of suspension points and the rigger's availability at least six weeks before the start of setup.

The load capacity of the suspension points is 230 kg plus the load cell. (see 8.1)

1.5. Special Requirements for the Jagdschloss Platte Lodge

No suspensions are permitted in the Jagdschloss Platte Lodge.

2. Legal Basis

An employer may only assign persons to use work equipment for suspending loads above people if they are sufficiently qualified. With regard to the provision and use of load-bearing, lifting, slinging, and connecting equipment, hoists, rope end connections, secondary safety devices, and protective equipotential bonding, the relevant safety regulations and recognized technical standards must be observed.

In particular, the following must be observed:

- DGUV Regulation 1 / 3 / 17 / 54
- DGUV Rule 109-005 - Use of Sling Wire Ropes
- DGUV Information 215- 310/313/314/315
- IGWV SQP1 - Traverses
- IGWV SQP2 - Electric chain hoists
- IGWV SQP4 - Mobile electrical systems in event technology
- IGWV SQQ2 - Competence in event rigging

The provisions of the listed regulations must be independently verified in their currently valid versions, and their implementation must be adhered to on site. This excerpt serves as an overview and does not claim to be exhaustive.

3. Installation of Loads

Installed loads (lighting trusses, spotlights, projectors, loudspeakers, decorations, etc.) may only be installed by qualified personnel, specialized companies, or the service partner in accordance with applicable legal standards and the state of the art. When selecting qualified personnel on site or the supervising person, the requirements of DGUV Regulation 17, DGUV Information 215-310, and IGWV SQQ2 must be observed. Proof of the above-mentioned qualifications must be presented upon request.

The following are generally not permitted:

- Securing of stand components or exhibits (stand components and exhibits must stand securely on their own)
- Suspended structures with a rigid or force-fit connection to the hall floor
- Erected structures that are additionally connected to the roof structure via suspensions
- Diagonal tension in suspension systems

Exceptions require prior written approval from WICM GmbH.

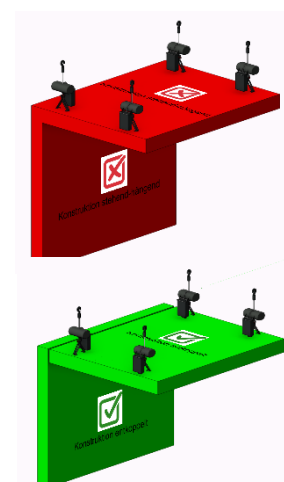


Fig. 1 (WICM)

4. Use of Truss Systems

When using trusses, the requirements of DGUV Information 215-313 and the industry standard SQP1 must be followed. The system may consist of a suspended, flown, or supported truss or truss structure. Truss structures that do not meet the load-bearing requirements of a single-span beam may require a structural analysis at the client's expense.

4.1. Equipotential bonding on metal structures

All electrically conductive metal structures that can accumulate hazardous contact voltages must be equipped by the system installer with an additional protective equipotential bonding of at least 10 mm² (VDE 0100, Part 711), and its functionality must be verified.

5. Lifting Equipment

5.1. Electric Chain Hoists

- Electric chain hoists may only be used at suspension points if this was specified in the order.
- The use of this lifting equipment is subject to the requirements for electric chain hoists in event technology (IGVW SQP2).
- The dead weight of the electric chain hoists and the dynamic load factors must be taken into account in the load plan to prevent overloading of the suspension points.
- The manufacturer's specified rated load capacity must not be exceeded at any time during installation and operation.
- Electric chain hoists may only be used if they have been inspected and must display a valid inspection sticker. The inspection documentation must be presented upon request and be accessible on-site for the entire production period.
- Electric chain hoists must be installed so that the chain hangs freely, does not rest against any surface, and does not run at an angle.
- For chain hoists used as climbing hoists, it must be ensured that the chain can run safely into the chain storage. The chain must be able to enter and exit safely even when unloaded.
- During operation, the operator must constantly monitor the movement of the electric chain hoists and the load.

5.2. D8 Electric Chain Hoist in accordance with DGUV Regulation 54

The D8 electric chain hoist must not be used to suspend or move loads over people without additional safety measures. As an additional safety measure, the installation of a secondary safety device is required for every D8 electric chain hoist. This secondary safety device must be installed in such a way that it ensures the load has no or the shortest possible fall distance.

Therefore, in most applications, it requires a shortening device. The secondary safety device typically consists of a shortening sling chain and can be extended using wire rope slings.

A D8 electric chain hoist may be loaded to the rated capacity specified on the hoist when at rest and with the secondary safety device installed. (see Fig. 2) The secondary safety device is dimensioned according to the principle of inherent safety, using twice the rated capacity of the D8 electric chain hoist.

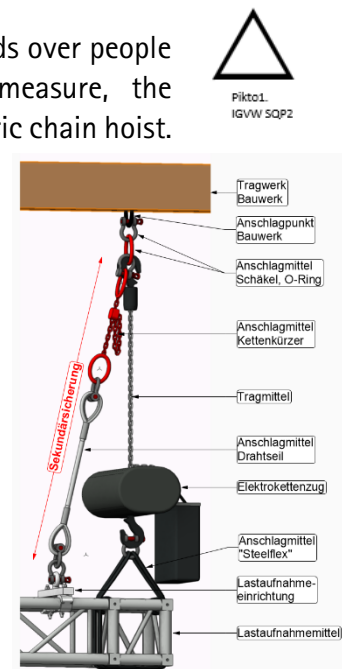
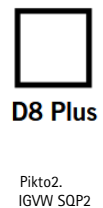


Fig. 2 (WICM)

5.3. D8 Plus Electric Chain Hoist

The D8 Plus electric chain hoist is not permitted for moving loads over people. When at rest, loads may be suspended over people without a secondary safety device. It must be ensured that the electric chain hoist is de-energized when at rest. The marking of the D8 Plus chain hoist must be clearly visible as such.



5.4. Manual chain hoists

- Manual chain hoists may be used only if this is explicitly specified in the order.
- The rated load capacity specified by the manufacturer must not be exceeded at any time during use.
- Manual chain hoists must not be used to suspend loads above people without additional safety measures. Moving loads over people using manual chain hoists is prohibited.
- When lifting loads, manual chain hoists should be operated as synchronously as possible. When moving loads, all manual chain hoists must be operated by personnel simultaneously.
- Manual chain hoists may only be used for statically defined load systems.
- The use of up to 4 manual chain hoists is permitted only if the maximum load capacity of the hoists is halved in accordance with the manufacturer's specifications and those of the traverse system. A structural analysis must be submitted when ordering the suspension points.
- An approved chain storage device for the manual chain hoist must be provided and properly installed in accordance with the manufacturer's instructions.

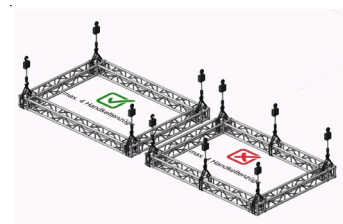


Fig. 3 (WICM)

- The load chain must not be used for slinging or wrapping around loads. The load chain must not be guided over edges or deflected.
- After installation and commissioning, the manual chain hoist must be removed from the load ("left hanging") and replaced with a suitable sling (e.g., steel wire rope) (see Fig. 4).
- The dead weight of the manual chain hoists and the dynamic safety factors must be taken into account in the load chart to prevent overloading of the attachment points.



Fig. 4 (WICM)

Manual chain hoists are not provided through WICM GmbH's service partner.

6. Secondary Safety Measures & Safety Ropes

Spotlights, loudspeakers, effects units, etc., must generally be equipped with a second independent safety measure (safety rope). When determining the specifications for safety ropes, DGUV Information 215-313 must be followed. A safety device must be installed in such a way that it prevents any free fall. If a fall path is unavoidable, it must be kept as short as possible.



Fig. 5 (WICM)

7. Work Equipment

Manufacturers specify the working load limit (WLL) or minimum breaking strength for slings used as lifting and load-bearing equipment or safety devices.

Suspending loads above people:

The working load limit (WLL) specified by the manufacturer of this work equipment must be halved unless the equipment is designed for loads suspended above people.

When the minimum breaking strength is specified, this value must be divided by the required service factor to obtain the maximum permissible working load limit.

If work equipment and its working load limit are designed and certified according to the manufacturer's specifications for supporting loads above people, this work equipment may be used in accordance with the manufacturer's specifications.

7.1 Wire rope end connections / wire rope clamps

e.g., Type 66 SV III wire rope clamp, only with BG test certificate.

Please note that this type of wire rope clamp is not suitable for dynamic loads and must therefore not be used with hoisting equipment!

The manufacturer's user instructions must be followed.



Fig. 6 (WICM)

7.2 Wire rope with thimbles

The minimum diameter for general lifting purposes is 8 mm. It is essential to ensure that the looped end of the rope is fitted with a thimble. Wire rope loops without thimbles (soft eyes) must not be used. Wire ropes with a fixed (non-sliding) plastic sheath must not be used. The rope must always be fully visible by sliding the sheath aside.



Fig. 7 (WICM)

7.3 Round slings

Due to their material properties, round slings made of synthetic fibers may only be used for lifting loads above people in conjunction with a sufficiently rated secondary safety device. Round slings with steel core do not require a separate secondary safety device.

7.4 Prohibited lifting slings and prohibited rope end connections:

- Wire rope holders and wire ropes without approval
- Sheathed wire ropes (sheathing > 1/3 of rope length)
- Long-link chains
- Cable ties, open hooks, etc.
- Open-type turnbuckles (DIN 1480) and those without protection against accidental loosening
- Quick-connect links without marking or load capacity indication (chain emergency links)
- • Damaged lifting slings
- Lashing straps, ratchet straps
- Any lifting slings or connecting devices without an indication of load capacity.



Fig. 8 (WICM)

8. Overview of Possible Suspension Points

8.1 Kurhaus Friedrich von Thiersch Hall

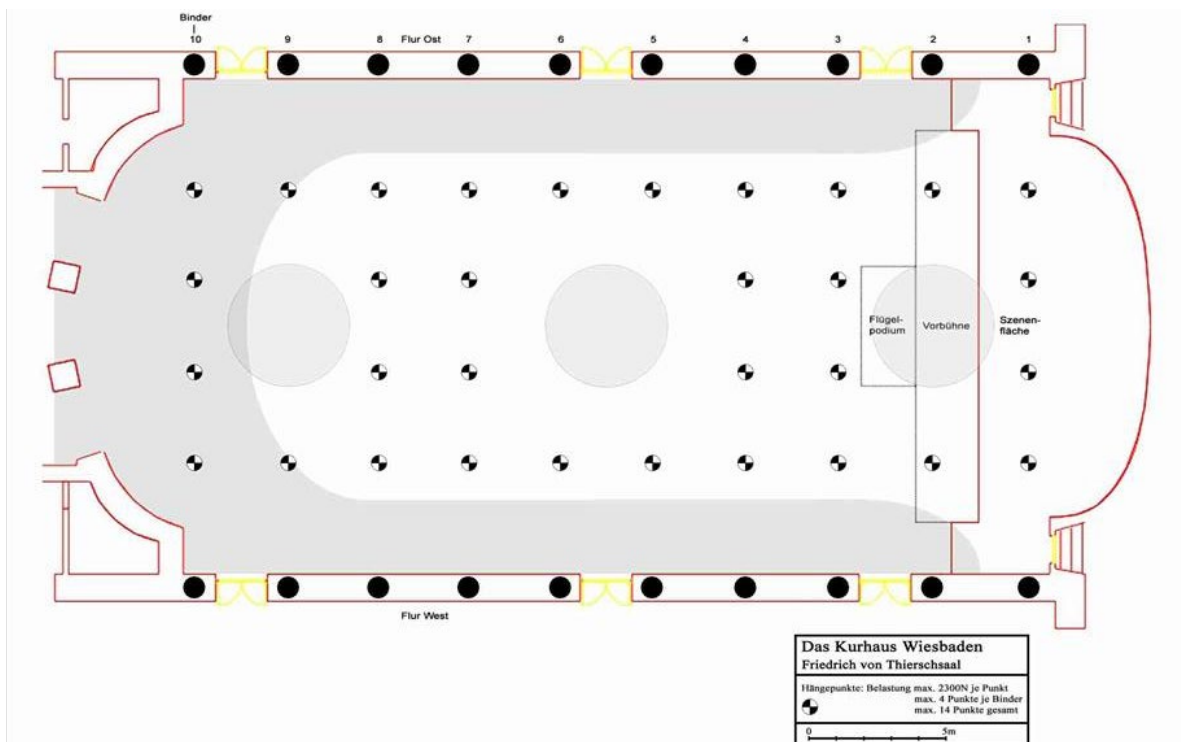


Fig. 9 (WICM)

8.2 RMCC Ground Floor Central Foyer

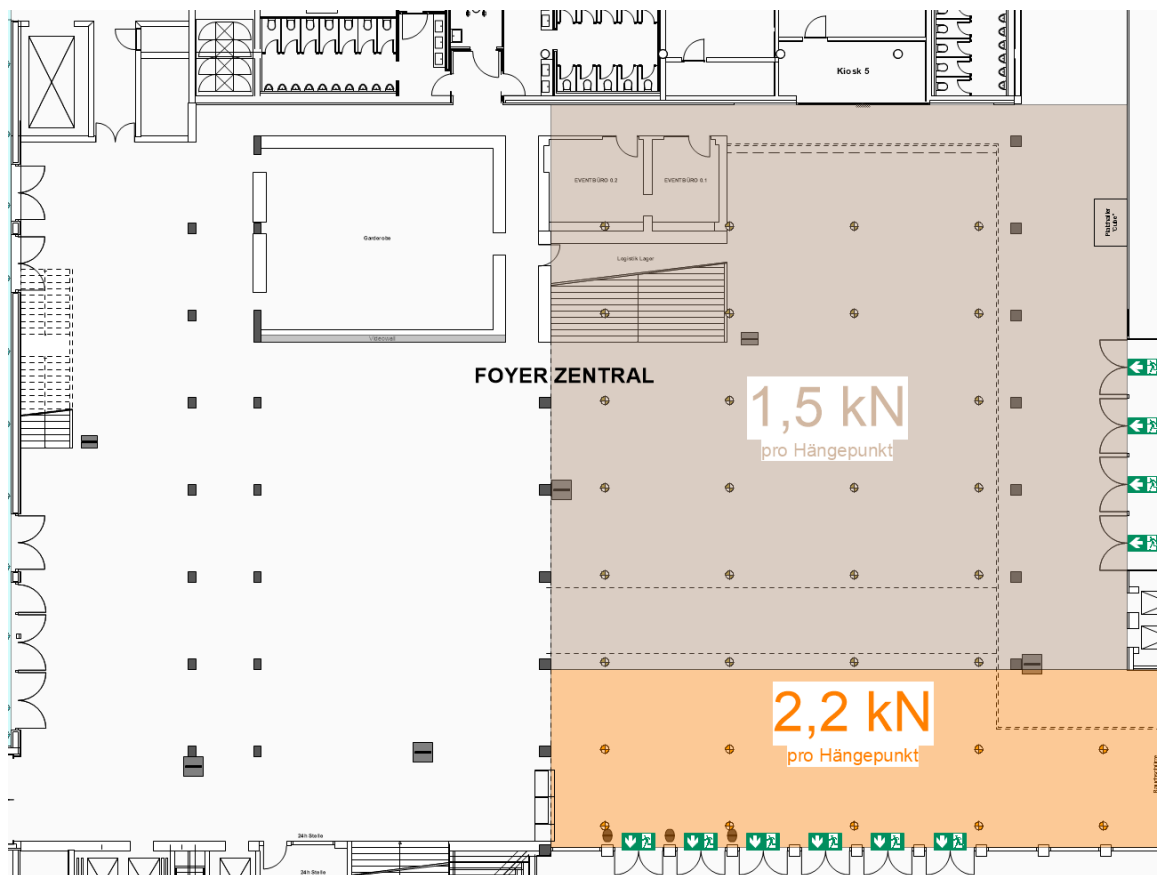


Fig. 10 (WICM)

8.3 RMCC Ground Floor North

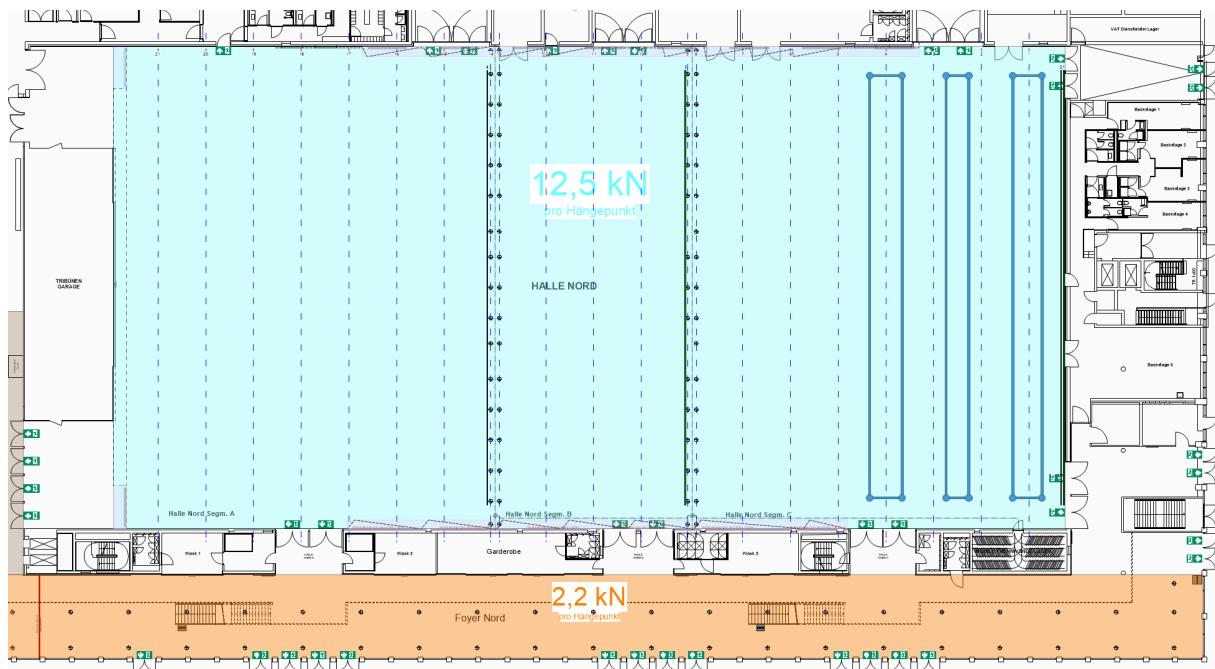


Fig. 11 (WICM)

8.4 RMCC Ground Floor South

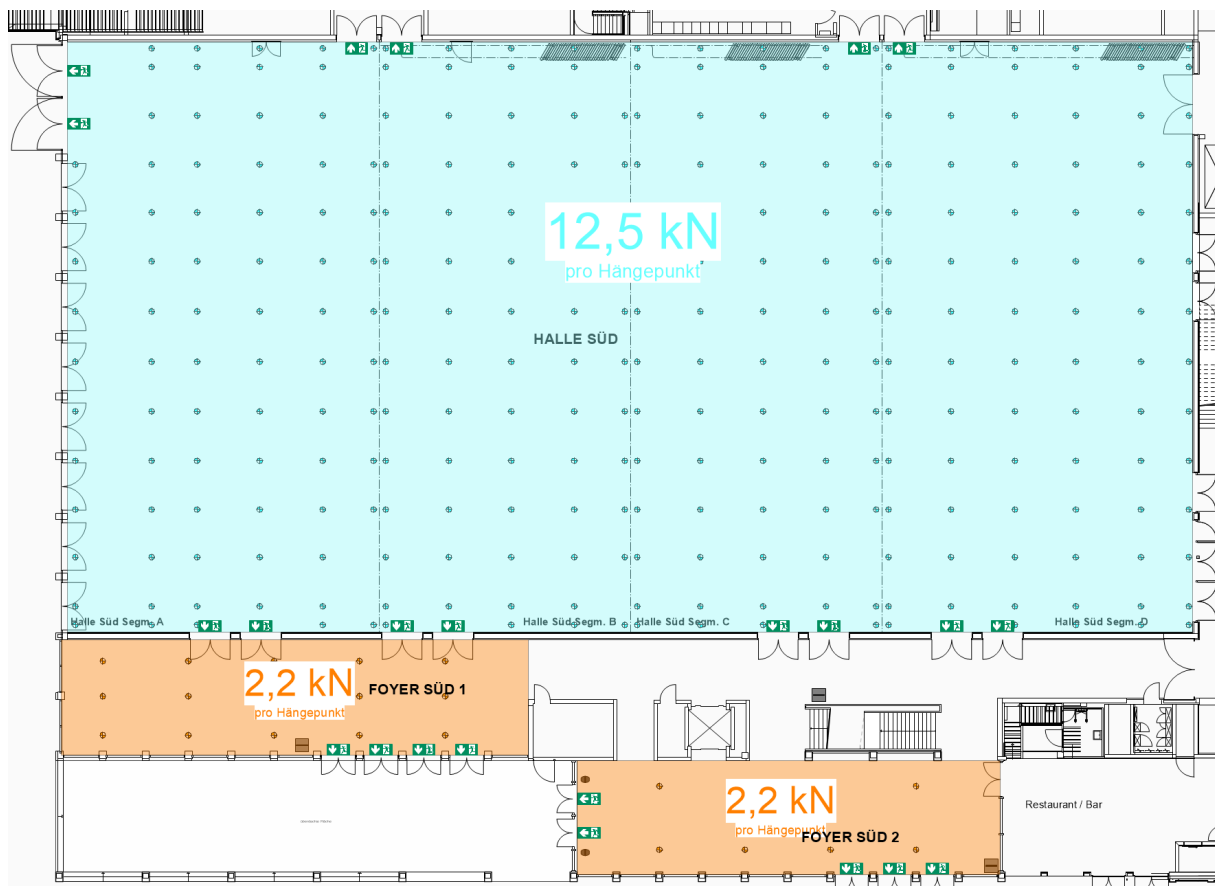


Fig. 12 (WICM)

8.5 RMCC, 1st Floor, North

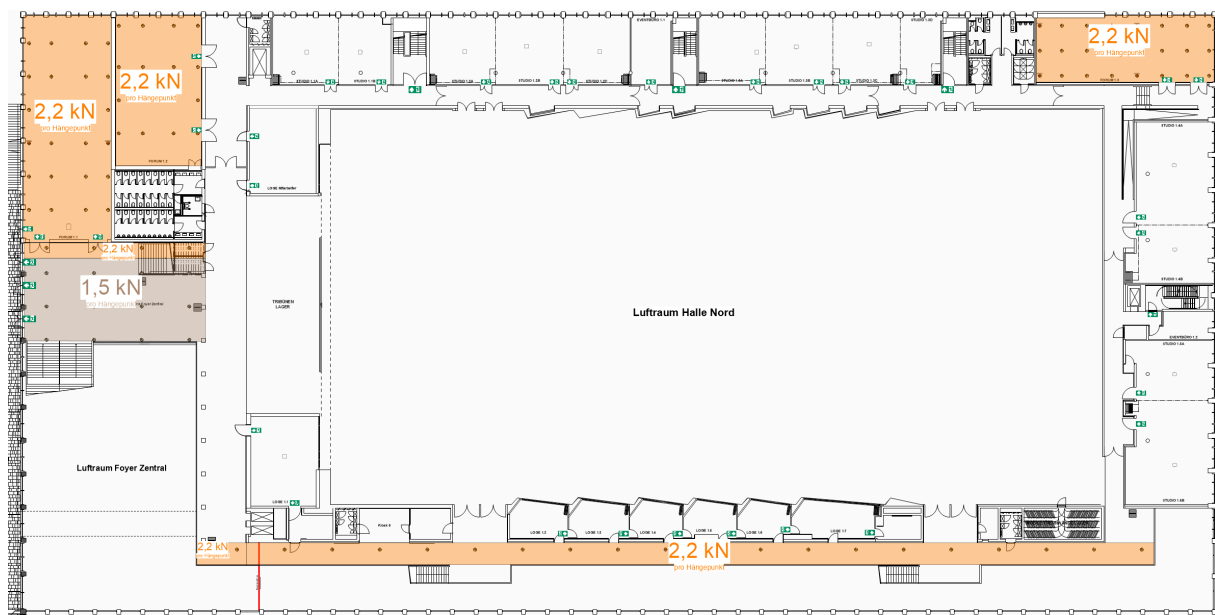


Fig. 13 (WICM)

8.6 RMCC, 2nd Floor, South, Terrace Hall



Fig. 14 (WICM)

If you have any general questions, please feel free to contact us.

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