



MINIMIZING RISK DURING HYBRID IN-PERSON EVENTS

60489 Frankfurt / Eschborner Landstraße 164

T +49 69 74 306 761 / @: anfragen@loftage.de. / www.loftage.de.  LOFTAGE

This Information paper demonstrates, how we /you adhere to the DHMV rules in our rooms

- D – Distance:** one Group per day, 2G: seating-capacity (see page 9)
- H – Hygiene:** daily disinfection (furniture, equipment, door handles, toilets)
- M – Masks:** inside /depending on „government rules G model“,
- V – Ventilation:** 100% air exchange within 40 min. (ceiling ventilation equipment),
advantage of our interior rooms (see page 9 to 12)
- A – App:** QR Code Corona alert App (Tracebility)
- Distance, Masks** Rules of the State of Hesse apply.

Our powerful ventilation system provides multiple protection.

The inside aerosol concentration is kept well below the threshold,

(see pages 9 to 12 / [www.dfg.de/position paper_Aerosole](http://www.dfg.de/position_paper_Aerosole) - 1.7.021).

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TRACKABILITY

1 Corporate group per day, exclusive lease

proof of vaccination, CORONA App (plus temperature control)

DISTANCING (min. 1,5 m)

max. 100 participants /guests, adherence to AHAL rules

VENTILATION

equipment, CO2 Limits, mobile ventilator

HYGIENE

ventilation

100% in 40 Min. (55dB) exchange air circulation,

self service buffet

beverage, (free choice of caterer, preparation kitchen)

service personal

wear masks, gloves, daily tests

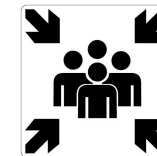
daily disinfection

furniture, door handles, sanitary equipment, technical equipment

Known rules: **A + H + A + L + App**

AHA + L Regel beachten

- ABSTAND
- HYGIENE
- ALLTAGS-MASKE
- LÜFTEN



parts /liter

Infection threshold:

300

max. AEROSOL output per min: **15.000**

source: see page 10

LOFTAGE Library

Aerosole /liter:

50

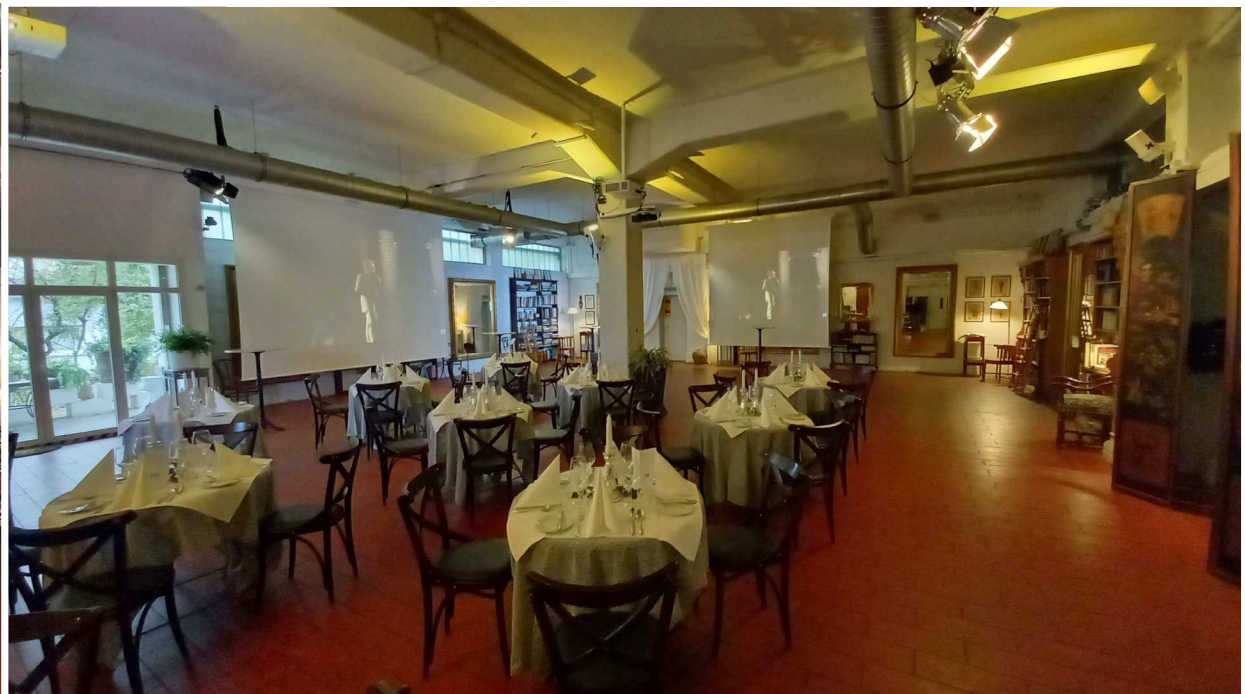
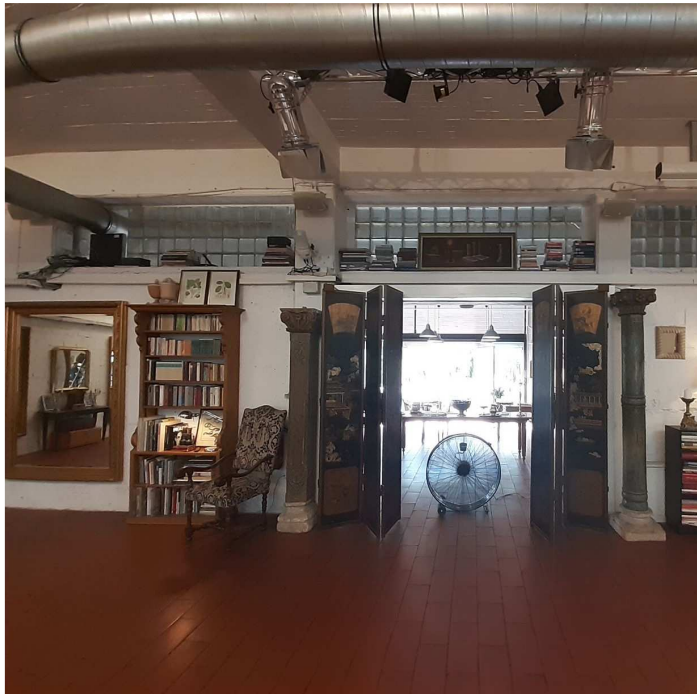
after 40 min., up to **100 participants**

6 x Safety

TRACKABILITY



2022 INFEKTION PROTECTION
AD HOCK VENTILATION LIBRARY (floor heating)

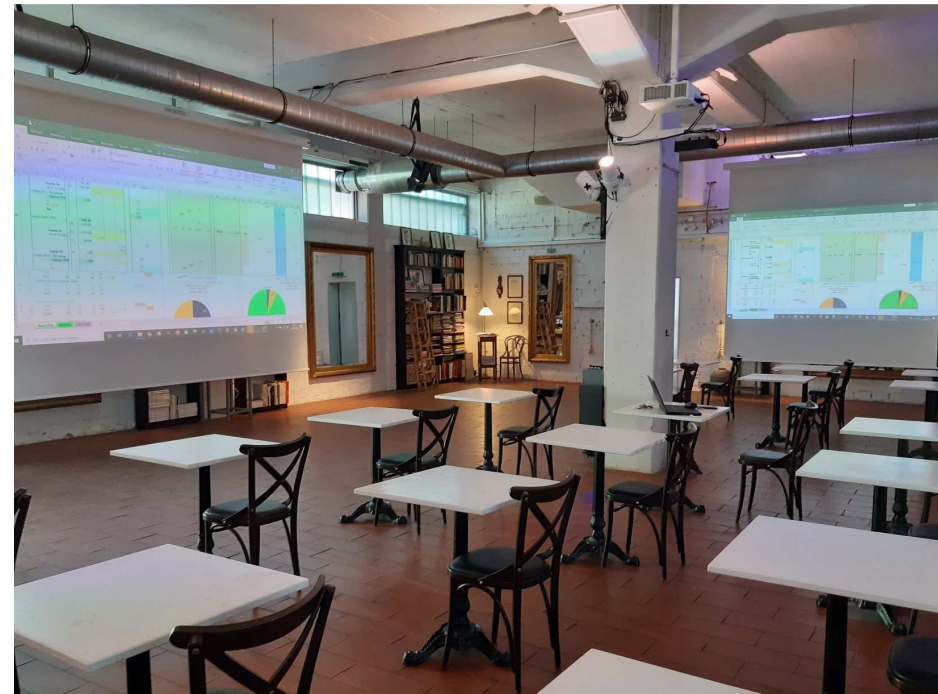


DRAFT VENTILATION

Banquet seating with distance (1,5m)

foto: **LOFTAGE**

2022 INFEKTION PROTECTION INDIVIDUAL SEATING (WITHIN DISTANCING RULES)



PARTICIPANTS

depending on incidence up to 100 participants,

FRESH AIR

Ventilation, CO2 tracing, access to roofed terrace

ROOM VOLUME

1.125m³ / 250m² / 4,5m height, daylight

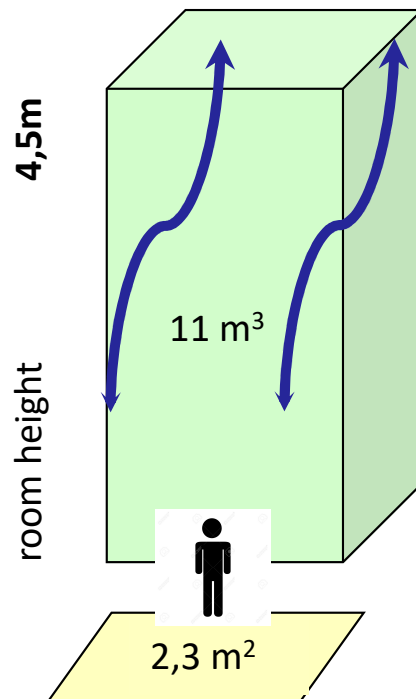
EQUIPMENT

built in video conferencing for hybrid meetings

2022 INFEKTION PROTECTION

RATE OF AIR EXCHANGE

.... 100% in 40 Minuten



techn. equipment LIBRARY

- **Performance:** 2.450 m³ /hour
Ceiling van (< 50 dB)
- **CO2 monitoring:**
Data logger
- **Air exchange:**
mounted van
- **Distance:** 1,5m
- **Floor heating**



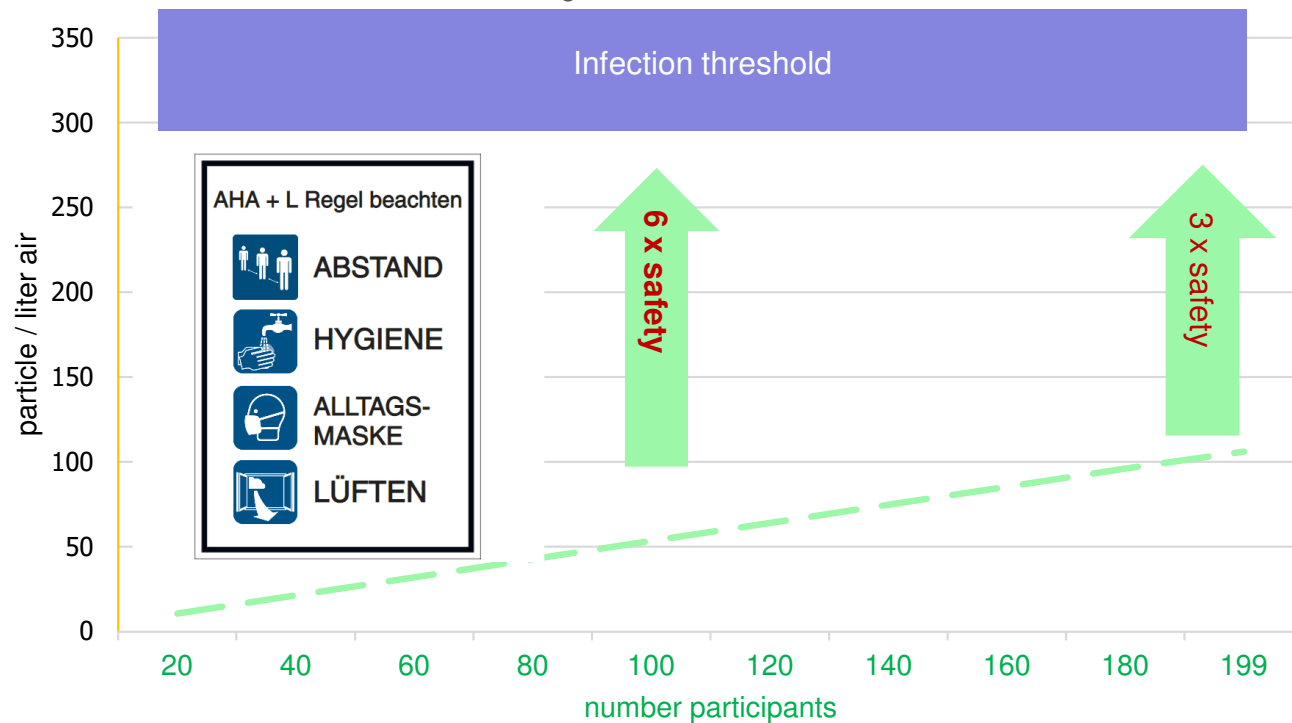
Room capa: max. 100 pax

1.125 m³ /250 m²

Quelle A: FAZ 6.9.020 /Seite 60 „Immer schön die Fenster auf“

2022 INFECTION PROTECTION SAFETY VERSUS CAPACITY

Aerosol concentration **LIBRARY**
Air exchange within 40 Min. = 100%



Safety through Air Performance:
(calculation see page 12)

The threshold of probability of a respiratory infection from participant to participant is an aerosol concentration of **300 particle /liter** and above.

For example:
With 100 participants aerosol concentration will reach **50 particle /liter**

2022 INFEKTION PROTECTION ADDITIONAL ARRANGEMENTS TO MINIMIZE RISC



Ifd. Nr.	measures	% factor
1	ad hoc ventilation (3 x 5 min /h)	20
2	1 x quick test /day	30
3	medicine mask	30
4	smaller group	40
5	wear FFP2 mask	100
6	ventilation performance LOFTAGE	100

LOFTAGE:
 performance min. 1.500 m³ /h
 performance library 2.450 m³ /h
 100% air exchange in 40 Min.

combination of measures possible

7	measures (2+3+4)	100
8	measures (2+3+4+6)	200 (no mask when seated)

source: FAZ Artikel vom 27.6.021 /Das fliegende Klassenzimmer /Autor: Justus Bender

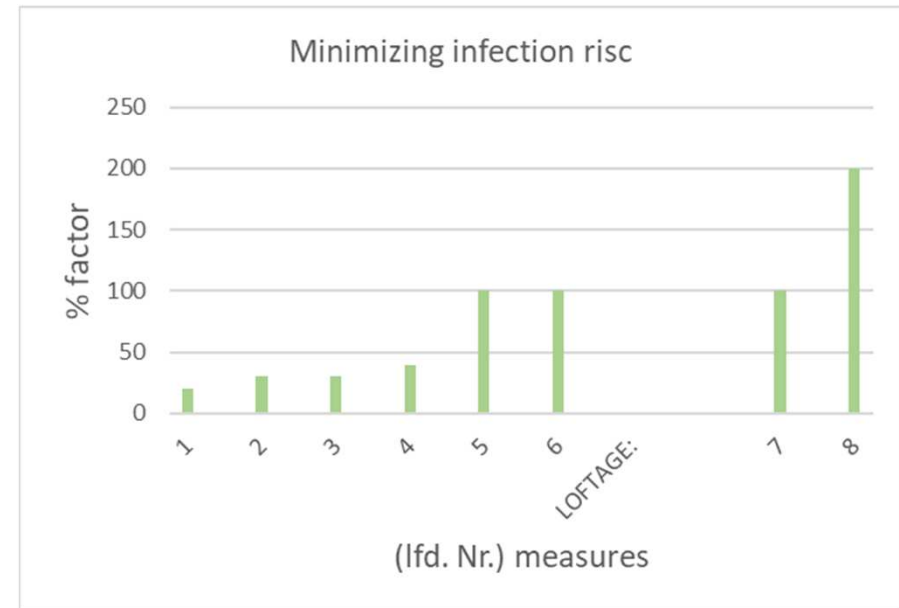
Faktor 100: to lower infection risc max. (one infected person in room)

scientific source:

TU Berlin; Prof. Dr. Kai Nagel @: kai.nagel@tu-berlin.de / media information | März 2021

association of aerosol research e.V. - 50879 Köln

position paper: Verständnis der Rolle von Aerosolpartikeln beim SARS-CoV-2 Infektionsgeschehen | März 2021



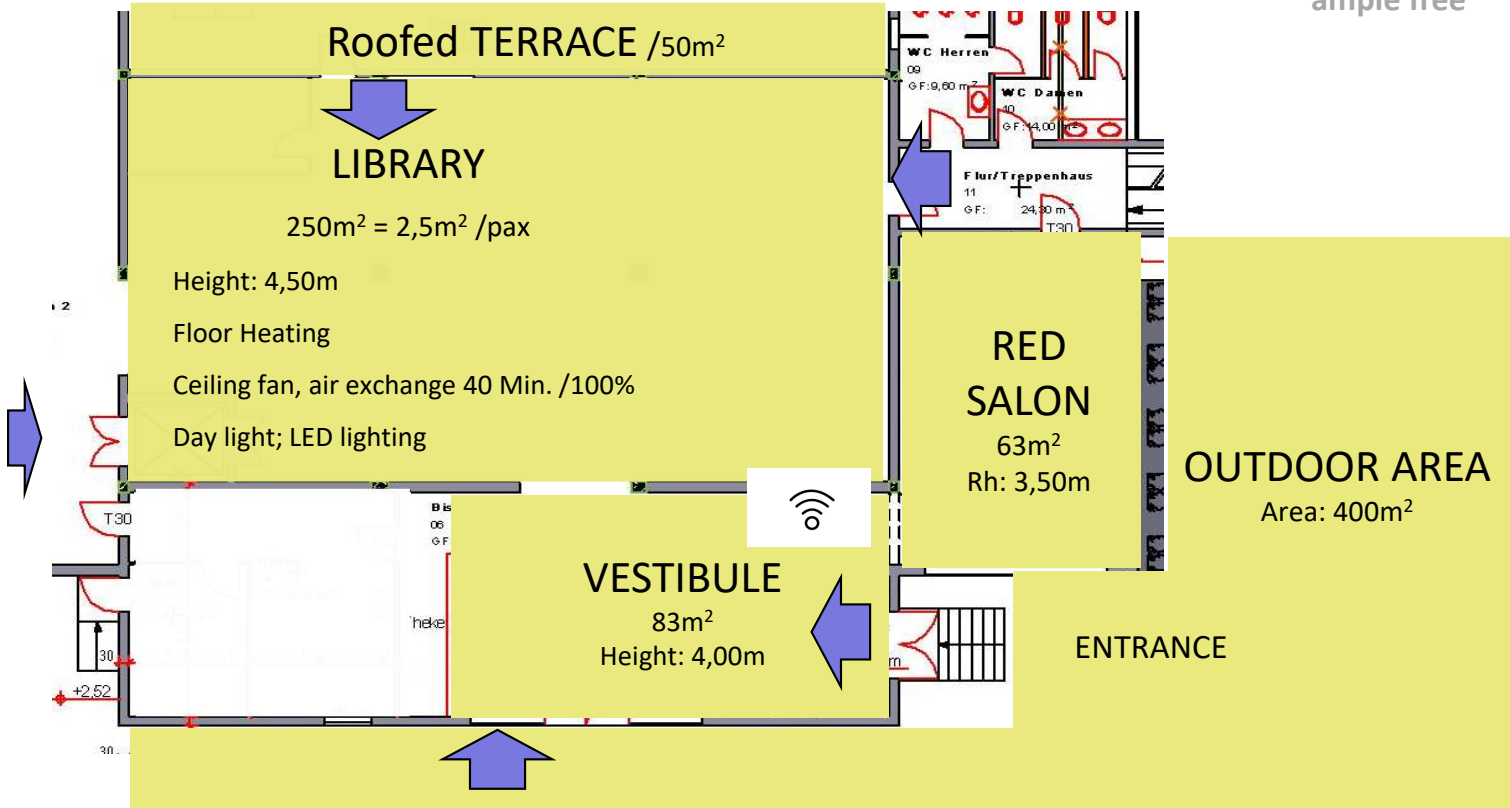
022 LOCATION
INFRASTRUCTUR



50 cars
ample free



Eschborner
Landstraße








Legend: fresh air ventilation

2022 LOCATION

CAPACITY AND EQUIPMENT

COVID **AHAL rule**: max. 50% pax capacity, **exclusive** booking, **ONE** group /day

Ifd. No.	ROOM	Sum SETTINGS	MEASURES					TECNICAL EQUIPMENT					
								Lenght (m)	Width	Height	Footage (m ²)	Volume (m ³)	Air (m ³ /h)
		pax	299	229	70	239	144				400	1693	2500
1	LIBRARY	199	199	50	199	120	21	12	4,5	250	1125		
2	RED SALOON	50	30	20	40	24			3,5	65	228		
3	VESTIBULE	50							4	85	340		
4	TERRACE (roofed), GARDEN									400			
5	CAR PARKING	free of charge								50			
6	AIR EXCHANGE	100% /Min.										40	
7	AIR QUALITY	AIRBION air filter (UVC + ultra sound) /CO ² data logger /mounted: air equipment performance max. 2500 m ³ /h											

AIR PERFORMANCE

7a	Air exchange:	within 40 Minutes = 100% exchange	// 1 /pax = 11,3 m ³ Volume (100 participants)
	Air volume /pax:	1 /pax: 11,3 m ³ = 600k. Aerosole	// 53 Aerosole /Liter = 5times savety
	Air consumption: (B	1 /pax: 15 Liter /Min. = max. 15k. Aerosole	// 40 Min. = 600 Liter = 600k. Aerosole
	Infection risc:	B) above 300 VIRUS aerosole /Liter = 100%	// 53 Aerosole = 18% (1,5m Abstand)
		(B. Quelle: Dipl. Physiker G. Scheuch, Internationalen Gesellschaft für Aerosolmedizin (ISAM)	1k. = 1000