

## Checklist for recommendation to the installation site of an INTILION | scalestac storage system

The storage system should be installed in a separate room and, in consultation with the insurance experts and fire protection officers, the following points should be observed for optimum use:

### The installation site should meet the following requirements\*<sup>1</sup>:

- ▶ It must be ensured that unauthorized persons are not allowed to enter the room.
- ▶ To guarantee an optimum service life, it is recommended that a temperature range of 23°C ± 5°C is not exceeded or undershot. General room air conditioning is recommended.
- ▶ The room in which the storage system is installed should be included in a suitable fire alarm system.
- ▶ Ensure that the battery system is protected against water damage. (*The installation site must be suitable for IP11 protection*).
- ▶ A sprinkler system or other automatic extinguishing system should only be installed in consultation with the fire protection officer.
- ▶ The relative humidity in the room must not exceed 80%.
- ▶ Combustible materials must not be stored near the storage system. (*The recommended distance is 2m*)
- ▶ The control cabinets must be installed at least 20cm away from the rear wall.
- ▶ The storage system requires a connection to the Internet, a network connection must be provided for this.
- ▶ Fire protection measures must be observed to prevent uncontrolled spread in the event of a cell fire or secondary fire.
- ▶ Adequate ventilation and exhaust or, alternatively, a fume extraction system\*<sup>1</sup> is required.
- ▶ An overpressure relief for the battery room shall be provided.
- ▶ The load-bearing capacity of the soil must be sufficient for the loads imposed by the storage system ( $\geq 2t/m^2$ ).
- ▶ With installation of the storage system, a minimum width for a maintenance aisle of 1.5m must be maintained. The room height (min.2.50m) must be suitable for the installation of the storage system.
- ▶ Fire-retardant room walls and room doors are recommended.
- ▶ Optional for storage systems with FLEPS: Appropriate notices must be posted outside the room for handling in the event of an emergency.

\*<sup>1</sup> The legal requirements and the state building regulations must be observed when selecting the installation site