

***Draft fire safety **guidelines** for electric bikes and electric scooters
(e-bikes and e-scooters)***



***Draft legislation on fire safety **requirements** for the installation of
charging points for electric vehicles***



***Draft legislation on fire safety **requirements** for of Lithium Metal or
Lithium-ion Batteries (**Energy storage systems**) in buildings and outside***



Fire and Rescue Department
under the Ministry of the Interior of the Republic of Lithuania
State Fire Supervision Board
Fire Prevention Division
Vincas Sasnauskas
E-mail: vincas.sasnauskas@vpgt.lt

Draft fire safety *guidelines* for electric bikes and electric scooters (e-bikes and e-scooters)

This guide is particularly **aimed at those who manage**, give advice **in residential** buildings

Typically, these groups will include:

*Landlords,
Local Authorities,
Tenants,
Housing associations etc.*

Guidelines for e-bikes and e-scooters will help **understand the risks**

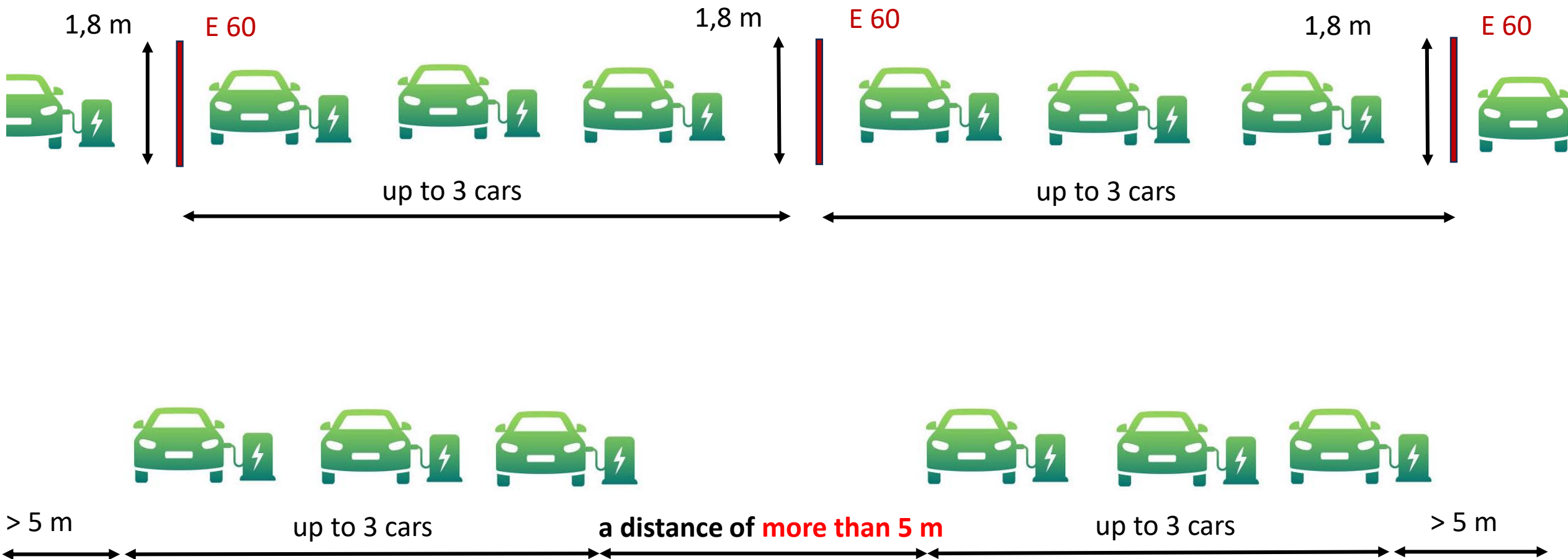


When determining storage solutions for e-bikes and e-scooters **the following questions should be considered:**

- *Can a fire be restricted to the room of origin?*
- *Can charging time be restricted to minimise sleeping risk?*
- *Are there any other combustible materials in the vicinity?*
- *Does the solution affect other residents?*
- *.....*
- *Is there sufficient detection in place within the proposed storage area to provide early warning to others in the event of a fire?*

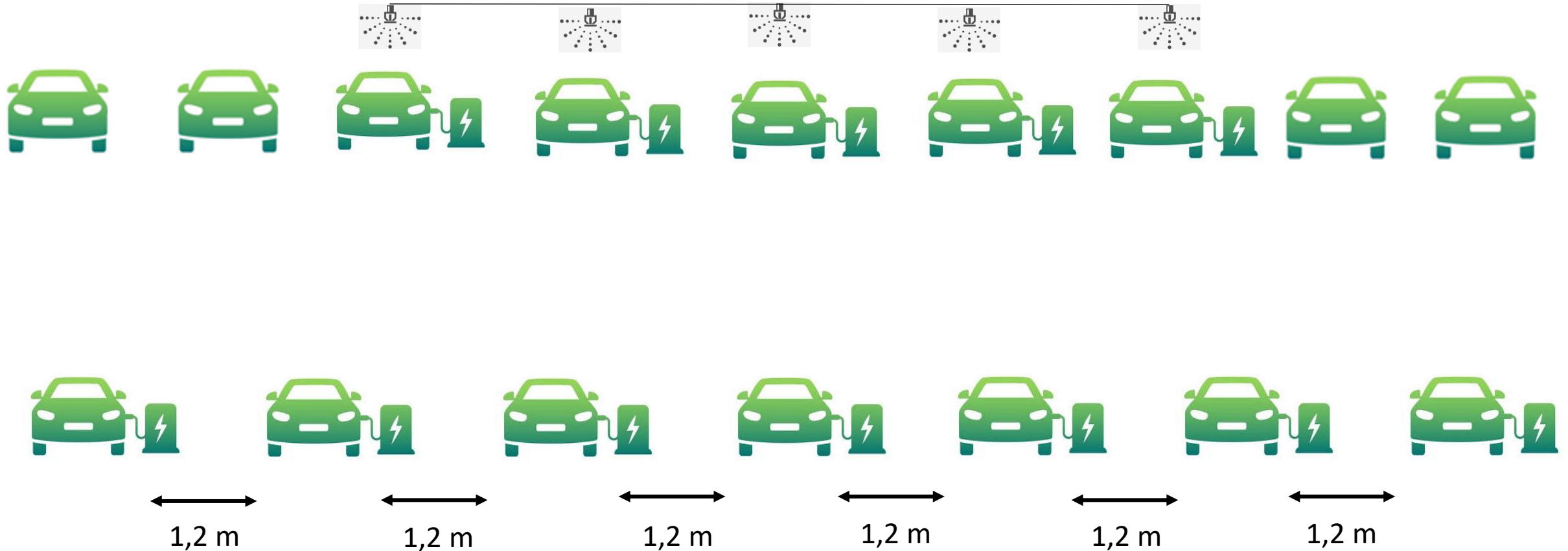


Draft legislation on fire safety requirements for the installation of charging points for electric vehicles in covered parking areas



Draft legislation on fire safety requirements for the installation of charging points for electric vehicles in covered parking areas

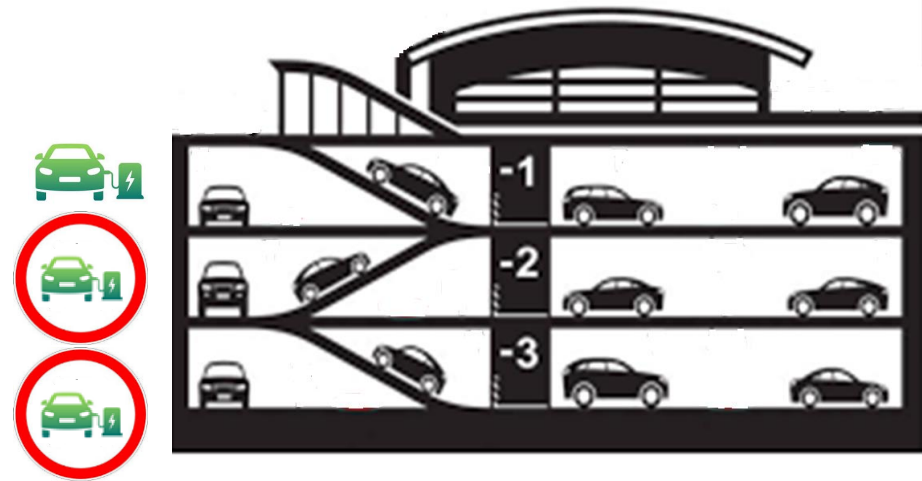
where a sprinkler extinguishing system is installed



Electric cars **should not be allowed to charge:**

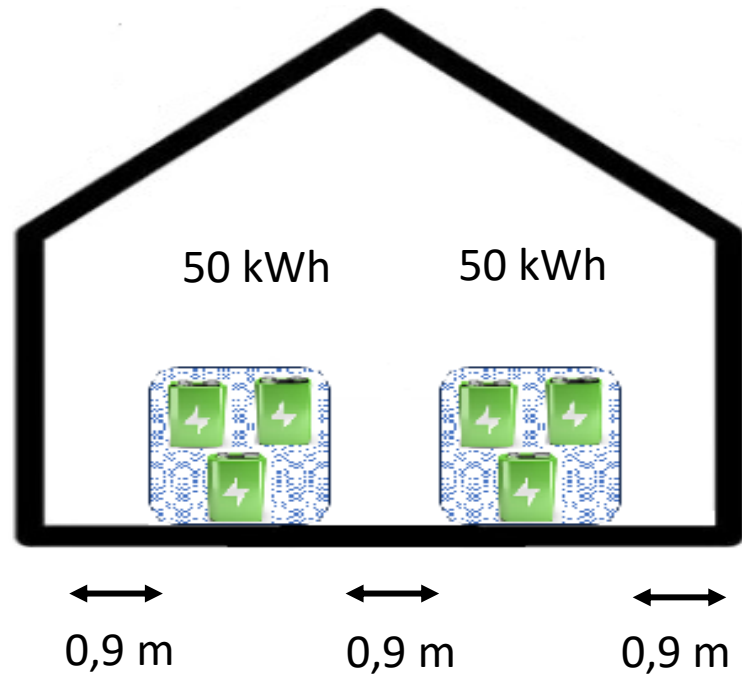


In **mechanised** car storage areas where **cars are transported** to the storage areas **by lifts**



In car storage facilities **located below the second underground floor**

Draft legislation on fire safety **requirements** for of Lithium Metal or Lithium-ion Batteries (Energy storage systems) in buildings and outside



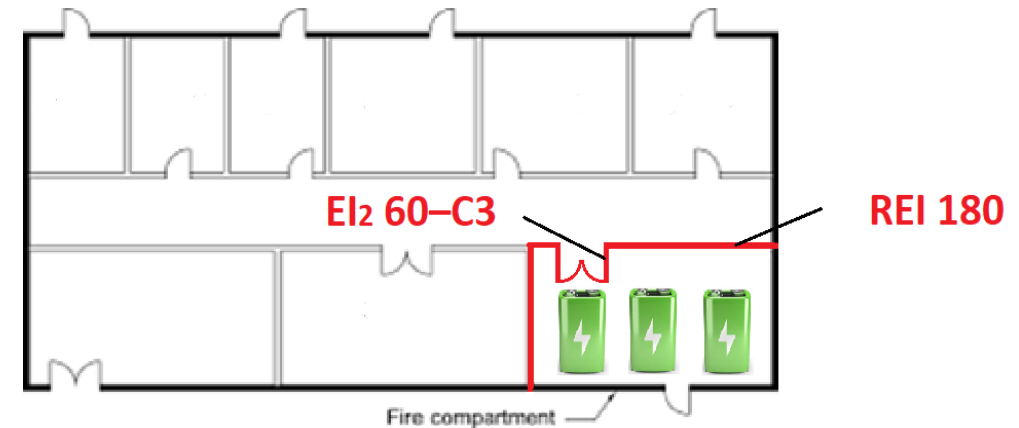
Groups with a maximum stored energy of 50 kWh each



Fire separation of batteries in a building

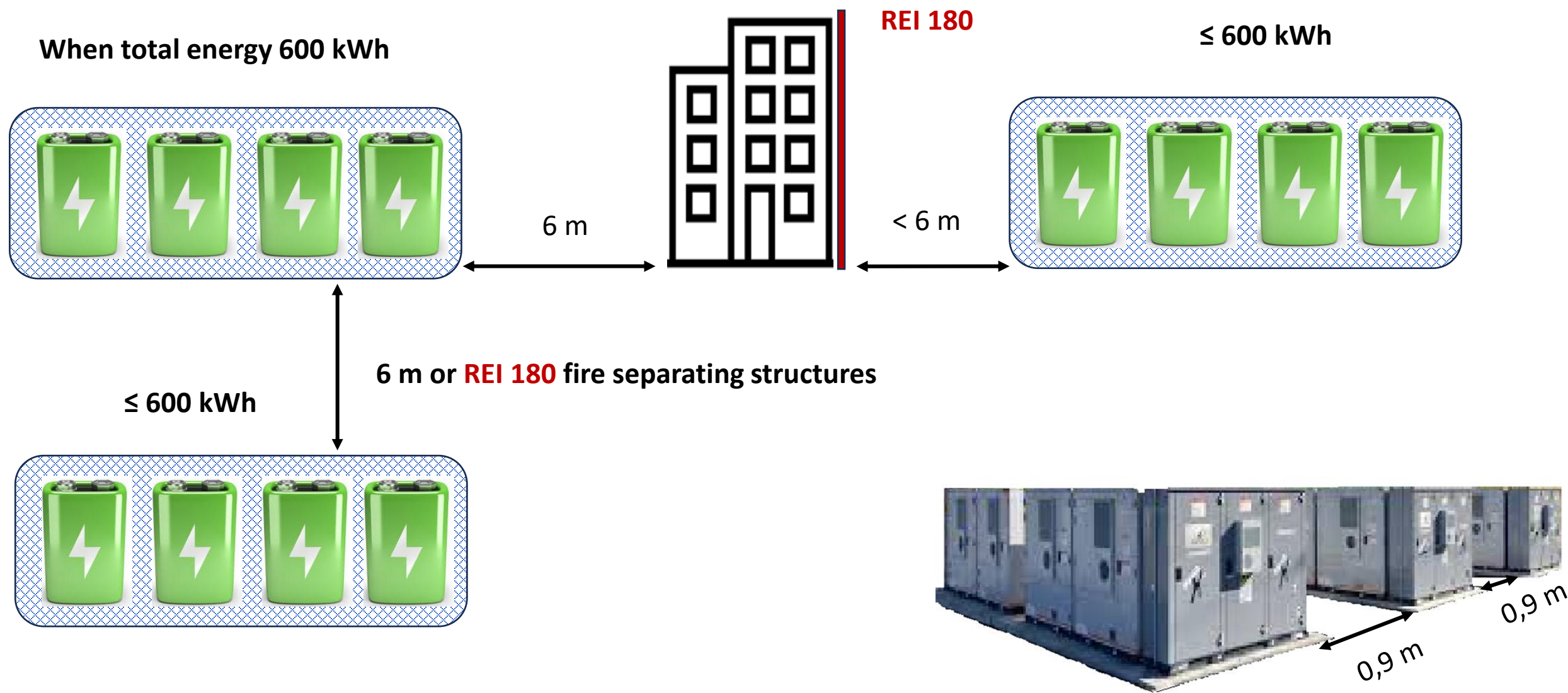


When one battery > 20 kWh, or
total energy > 80 kwh



When total energy ≤ 600 kWh

Groups with a maximum stored energy of 600 kwh in territories



Thank you for your attention !