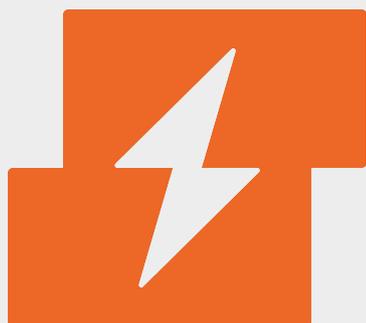


**YOUR  
SAFETY  
IS OUR  
PRIORITY!**



**LITHIUM  
SAFETY  
CONTAINERS**

# What we stand for

We provide a secure solution for charging and storing your Lithium-Ion batteries. Lithium fire prevention is our specialty! This is the foundation of our company, our containers, and our team.

The safety of your workspace is our priority and that is why we have designed fire resistant storage containers to prevent emergencies and, most importantly, accidents.

- ✓ **Skilled and professional services**
- ✓ **Free consultation call**
- ✓ **Lease of our lithium safety products**
- ✓ **Customized advice**
- ✓ **24-hour emergency service**
- ✓ **Certified and guaranteed**

**Bram van Beers**  
Owner & Founder

# Our services



## Lithium Safety Container

All of our containers meet the provisional safety standard PGS-37(2 & 1) and have a WBDBO of at least 90 minutes.



## Training & prevention

In collaboration with partners, we provide training and preventive tools to help to maintain safety in your workplace.



## 24 hour emergency service

Our 24-hours emergency service is available for clients in The Netherlands and Belgium. Companies can also make use of these services without a contract.



## Rent & Lease

Rent or lease our Lithium Safety Containers now and ensure safe storage. Safeguard your assets with our specialized containers. Contact us for rental and lease options.

# Our containers

**Our containers are suitable for various applications, including:**

- **Two-wheeler businesses, rental, sales**
- **Car parks and storage companies**
- **Port & transportation companies**
- **Storage of lithium-ion batteries**
- **Automotive industry**
- **Car garages**
- **Technology stores & manufacturers**

**Many applications are possible. We will always find the right solution!**

Even without a container, we can create a secure storage facility. We can install the products that are typically housed in our containers in a custom-built bunker, for instance.

All of our systems are KIWA certified and compliant with PGS37-2. They can also be adapted for PGS37-1 purposes upon request.



Our systems comply with KIWA.

Organisation: KIWA

Type of Org.: Certification Company

Country: International Standard:

Standard: BRL K21045

Description: Specific Certification Program(SCP) 05 -

Fire Protection of Lithium-ion batteries storage



## Our containers XS-S



### CONTAINER XS | 4 FT

Available in loading container & storage container

- 4 FT CSC certified 1049 x 2112 x 2062
- AF-X Fire blocker
- CO, smoke, thermal and H2 detection
- Complies with PGS37-2, EN50110 / NEN3140, NEN1010
- KIWA certified
- 90 minutes WBDBO fire resistance
- Explosion-proof LED lighting
- Pressure relief device
- Air conditioning unit
- Storz connection with sprinkler heads
- 125A power supply (only for charging container)
- Smart control panel
- IOT remote monitoring



#### OPTIONAL

- Standalone notification to PAC/RAC
- Enhanced power connection
- 24/7 live (thermal) camera
- 3G/4G connection
- Keycard reader lock
- Additional exterior lighting
- Lightning protection



### CONTAINER S | 10 FT

Available in loading container & storage container

- 10 FT CSC certified 2990 x 2440 x 2590
- AF-X Fire blocker
- CO, smoke, thermal and H2 detection
- Complies with PGS37-2, EN50110 / NEN3140, NEN1010
- KIWA certified
- 90 minutes WBDBO fire resistance
- Explosion-proof LED lighting
- Overpressure protection
- Air conditioning unit
- Storz connection with sprinkler heads
- 125A power supply (only for charging container)
- Smart control panel
- Remote IOT monitoring



#### OPTIONAL

- Standalone notification to PAC/RAC
- Enhanced power connection
- 24/7 live (thermal) camera
- 3G/4G connection
- Keycard reader lock
- Additional exterior lighting
- Lightning protection

## Our containers M-L



### CONTAINER M | 20 FT

Available in loading container & storage container

- 20 FT CSC certified 6050 x 2440 x 2590
- AF-X Fire blocker
- CO, smoke, thermal and H2 detection
- Complies with PGS37-2, EN50110 / NEN3140, NEN1010
- KIWA certified
- 90 minutes WBDBO fire resistance
- Explosion-proof LED lighting
- Overpressure protection
- Air conditioning unit
- Storz connection with sprinkler heads
- 125A power supply (only for charging container)
- Smart control panel
- Remote IOT monitoring



#### OPTIONAL

- Standalone notification to PAC/RAC
- Enhanced power connection
- 24/7 live (thermal) camera
- 3G/4G connection
- Keycard reader lock
- Additional exterior lighting
- Lightning protection



### CONTAINER L | 40 FT

Available in loading container & storage container

- 40 FT CSC certified 12200 x 2440 x 2550
- AF-X Fire blocker
- CO, smoke, thermal and H2 detection
- Complies with PGS37-2, EN50110 / NEN3140, NEN1010
- KIWA certified
- 90 minutes WBDBO fire resistance
- Explosion-proof LED lighting
- Overpressure protection
- Air conditioning unit
- Storz connection with sprinkler heads
- 125A power supply (only for charging container)
- Smart control panel
- Remote IOT monitoring



#### OPTIONAL

- Standalone notification to PAC/RAC
- Enhanced power connection
- 24/7 live (thermal) camera
- 3G/4G connection
- Keycard reader lock
- Additional exterior lighting
- Lightning protection

Can't find what you are looking for? Please feel free to contact us. Together with our specialists, you can create a system tailored to your specific needs!



# Risks associated with Lithium-Ion batteries

**Lithium-ion batteries are generally safe for everyday use and do not pose an inherent danger. However, if a battery gets damaged, there is a possibility that it can enter a state known as 'thermal runaway.' This is an 'out-of-control' condition in a lithium-ion battery. In a thermal runaway the temperature in a battery gets higher which causes a further increase of temperature, leading to a destructive result.**

The consequences of thermal runaway can involve very high temperatures, the release of (hazardous) gasses, and often a very intense fire. Projectiles of electrolyte and metal components can also occur. Thermal runaway can be triggered by various factors. Most common causes of a thermal runaway include: overcharging of batteries (because of defect chargers), damaged batteries, overheating, short circuits and rapid battery discharge.

## **Our fire suppression principle:**

Our aerosol fire extinguisher and fire suppression systems, once activated, initiate an Af-X Fireblocker fire suppression reaction in which the released aerosol binds to the free radicals of combustion.

The aerosol generated by the Aerosol Fire Extinguishers and Fire Suppression Systems does not combat or extinguish fire by the methods of oxygen removal or cooling but rather by molecularly stopping the combustion reaction (by binding free radicals) without affecting the oxygen content.

The aerosol consists of micro-sized particles suspended in an inert gas, with an extremely high ratio of exposed surface area to reaction mass (minimizing the amount of active material required for suppression). Particles of these minuscule dimensions remain suspended for a relatively long time, allowing them to penetrate the natural convection currents present during ignition. This increases the efficiency of the extinguishing agent.

Our containers are equipped with IOT for managing:

- **Temperature**
- **Door open/close**
- **Battery status**
- **Connectivity**
- **Location**
- **Commissioning date**
- **Service date**
- **Maintenance date**
- **Live footage from the container**





Request a quote  
immediately

Please  
feel free  
to contact  
us!



**LITHIUM  
SAFETY  
CONTAINERS**

 Mangan 8, 5234 GD, 's-Hertogenbosch  [info@lithiumsafetycontainers.com](mailto:info@lithiumsafetycontainers.com)

 +31 85 130 64 05 (available 24/7)  [www.lithiumsafetycontainers.com](http://www.lithiumsafetycontainers.com)

**We always offer a free consultation!**