

MAUS

THE FIRE SAFETY CONCEPT OF THE FUTURE



SCAN FOR MORE LANGUAGES

DISTRIBUTION



MAUS has its headquarter in the hometown of the founder Andreas C. Norlin in a small town called Lidköping which sits beautifully in the south part of Lake Vänern. From the headquarter we pack and ship products all over the world. From the Zambian Mining Industry to the American Home Improvement Market. From the Hospitals in the UK to the Toyota Factory in Indonesia. We have distribution in over 20 countries and are always looking to expand further. We have offices in Sweden, Spain and in the USA and will in 2024 start up a new office in Germany.

CLIENTS



FOOD PRODUCTION | SWEDEN



MEDICIN PRODUCTION | UK



HEALTHCARE SYSTEM | UK



FOOD PRODUCTION | SWEDEN



HOME IMPROVEMENT | USA



MINING INDUSTRY | SWEDEN



MINING INDUSTRY | CHILE



GALVANIC PRODUCTION | ITALY



INSURANCE COMPANY | SWEDEN



ONLINE SHOP | UK

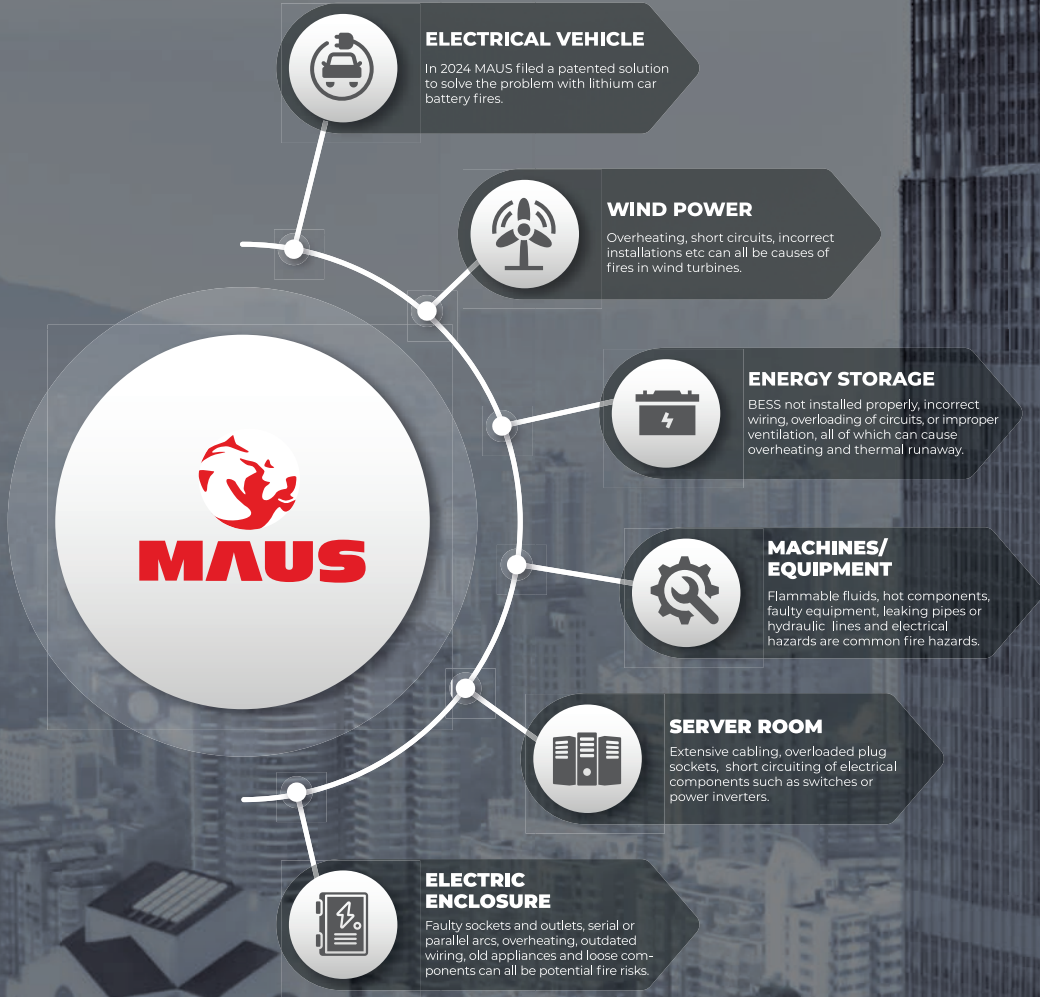


CAR MANUFACTURER | INDONESIA



RETAIL CHAIN | SWEDEN

APPLICATION



OUR MISSION

Our mission is to place fire protection where there could be no fire protection before due to lack of space or high cost. With products so small and so versatile we will revolutionize the way we extinguish fires and save lives, buildings, machines and minimize expensive production disruptions.

PROJECT

"Fires cause stoppages in production and it costs us dearly. As the safety manager at Findus, I see it as a matter of course to install the MAUS products because they are easy to install, you have fire protection around the clock and you don't have to do anything for 5 years. Electrical fires are the most common fires we have in factories here in Sweden. If you have installed MAUS you can't fireproof the factory more." Christer Åkerblom - Team Leader at Findus.



Findus

DP1:15



MAUS

STIXX PRO

5 / 10

MAUS
STIXX PRO



The low cost compared to the large space this innovation can protect is unique.

ADVANTAGES



FLOODING

Once activated it will release 100% of it's content.



FAST

Activation at very low temperature 170 °C.



SYSTEM

No complex system.
No electric cables,
No batteries. No pressure.



NON TOXIC

The potassium formula is 100% non-toxic & environmentally friendly.



MAINTENANCE

Maintenance free during its 5 year life span.

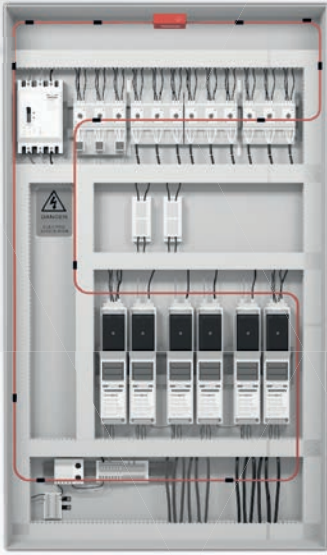


AWARD WINNING

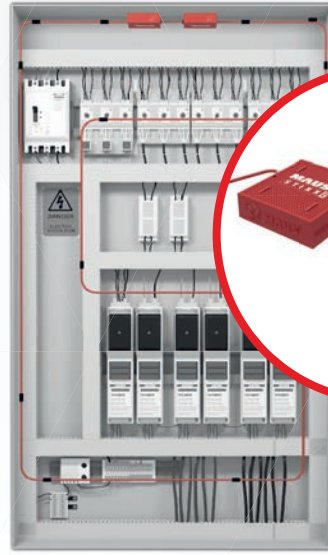
MAUS Stixx PRO series has won several awards in Europe.

SINGLE UNIT

HDC CABLE



MULTIPLE UNITS



MAUS
STIXX PRO

ABOUT THE PRODUCTS:

The small size in combination with the large capacity makes the MAUS Stixx PRO-series a unique fire suppression solution on the market. The new MAUS Stixx PRO 5 and MAUS Stixx PRO 10 are automatic fire suppression units for smaller to larger enclosures. The built in heat detecting cables are placed on the top of the unit and activates the unit by exposure to fire or when the unit reaches 170°C. One single MAUS Stixx PRO 10 protects a space of 1.0 m³ and one single MAUS Stixx PRO 5 unit protects a space of 0.5 m³. You can use the adhesive tape on the back of the units or use the screw holes on the front to install the units in the enclosure.

The extinguishing agent is exhausted through the ports of the unit and quickly fills the enclosure and extinguishes the fire. For a larger detection area you can add heat detecting cables that you easily connect with metal cylinders (included) to connect to the ports on the sides of the unit. With the Cable Clips you can easily attach the cable inside the enclosure for optimal detection. For larger spaces you can also serial connect more units for increased volume (see MULTIPLE UNITS illustration).

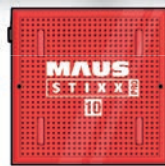
UNITS

MAUS STIXX PRO 5



Protects 0.5 m³

MAUS STIXX PRO 10



Protects 1 m³

STIXX PRO HDC CABLE



HDC Cable

APPLICATION



ELECTRICAL ENCLOSURES



BATTERY CHARGING CABINETS



SERVER ROOMS



GARBAGE DUMPSTERS

PRODUCTS

MAUS STIXX PRO 5 (art 1360-1). LxWxH: 60x60x20mm. Weight: 96g. **MAUS STIXX PRO 10** (art 1370-1). LxWxH: 60x60x20mm. Weight: 120g. **MAUS STIXX PRO HDC CABLE 50 METERS** (art 1312-1). Dimensions: ø120 x 54 mm. Weight: 380g. Including 50 metal connectors. **MAUS HDC CRIMPING TOOL** (art 1375-1). **3M CABLE CLIP 50 PCS.** (art 1315-1). Black pvc. 120x180cm. **SIGN - "MAUS STIXX PRO INSTALLED"** (art 1885-EN).

MAUS

STIXX PRO

V1



Improved formula to protect larger spaces and with extended heat detection cables for faster activation.

ADVANTAGES



FLOODING

Once activated it will release 100% of it's content.



FAST

Activation at very low temperature 170 °C.



SYSTEM

No complex system. No wiring. No batteries. No pressure.



NON TOXIC

The potassium formula is 100% non toxic & environmentally friendly.



MAINTENANCE

Maintenance free during its 5 year life span.



AWARD WINNING

MAUS Stixx PRO series has won several awards in Europe.



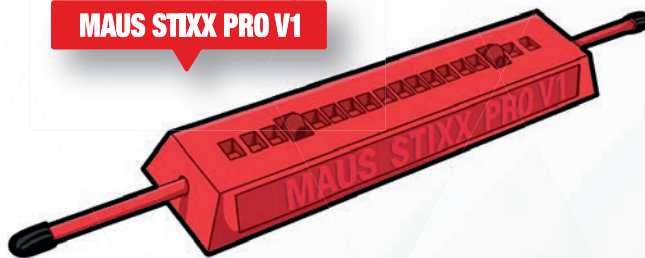
MAUS
STIXX PRO **V1**

ABOUT THE PRODUCT:

The MAUS Stixx PRO V1 was the result of the demand for better detection and a more dense and smarter formula to be able to protect a larger space more efficiently. The V1 has almost the same size and weight as its precursor (the domestic product) MAUS Stixx PRO. With the high demand of a more powerful unit for the industrial market the MAUS Stixx PRO V1 was created. Extremely small, but extremely powerful is the main features of this innovation. It is equipped with two 3,5 cm extended HDC cables on each side that can also be extended

UNIT

MAUS STIXX PRO V1



Protects 0.2 m³

APPLICATION



**CHARGING
STATION**



**DISTRIBUTION
BOARD**



**FRIDGE/
FREEZER**



HOTELS

PRODUCTS

MAUS STIXX PRO V1 (art 135X-1). LxWxH: 100x20x15mm. Each end has extra 35 mm detection cable. Weight: 26g. Comes in a box of 10 units. Protects: 0.2m³. Can be extended with HDC Cable. **MAUS STIXX PRO** (art 1350-1). LxWxH: 100x20x10 mm. Weight: 18g. Protects: 0.1m³ .

LITHIUM BATTERY FIRES



Clearly the MAUS Stixx
PRO works against fire
in lithium batteries.

LITHIUM BATTERY FIRE TEST



The MAUS aerosol stops the chemical reactions taking place in a fire by neutralizing hydrogen, oxygen and hydroxy radicals in the flame. The particles also absorb the heat from the flame which is crucial when it comes to extinguishing lithium battery fires. The prolonged floating time may contribute to an increased protection against re-ignition. This is the theory that we put to the test at Dafgård's facilities in Sweden.



1. A lithium battery was placed at the bottom of the cabinet and the MAUS unit/units were placed at the top.



2. Once the battery was on fire it activated the HDC cable that activated the MAUS unit in the ceiling.



3. The active MAUS aerosol fills the space and stops the fire instantly and the temperature drops to 40°C in seconds.



4. After 5 minutes it was safe to open the cabinet and let the non-toxic potassium aerosol out.

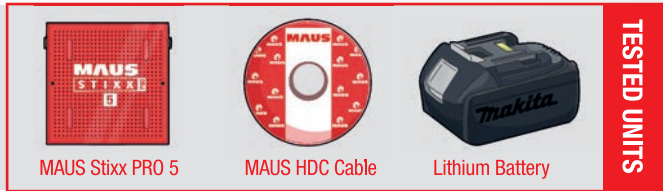


Berndt Hövler Fire & Rescue Officer, Dafgård's Sweden

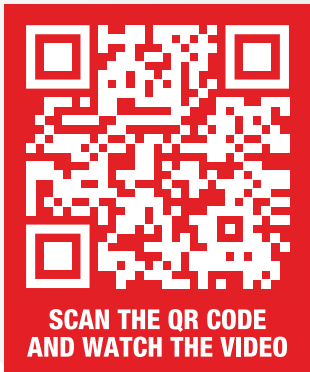


Clearly the MAUS Stixx PRO works against fires in lithium batteries.

“We did two tests. Both tests gave a passing result. Clearly, the MAUS Stixx PRO also works against fire in lithium batteries. Dimensioning for cavities in cabinets gives increased effect and minimizes the risk of re-ignition.”



SPECIFICATIONS	TEST 1	TEST 2
MAUS Stixx PRO 5 units	2	1
Lithium Battery:	Makita 18V 5Ah	Makita 18V 5Ah
Cabinet space:	0.1 m ³	0.1 m ³
Activation time:	6 s.	18 s.
Fire extinguished after activation:	2 s.	2 s.
Battery cell explosion.	No	Yes
1st Battery cell explosion after.	No	86 s.
2nd Battery cell explosion after.	No	147 s.
3rd Battery cell explosion after.	No	155 s.
Final extinguishing time:	2 s.	162 s.
Outside temperature:	5°C	5°C
Wind:	6 m/s	6 m/s



SCAN THE QR CODE AND WATCH THE VIDEO

OR WATCH ON YOUTUBE

PROJECT

"In 2023, we decided to start implementing MAUS fire protection products. MAUS products will protect and enhance operational safety at our head office and central warehouse in Skara by enabling early detection and extinguishing of fires," Mikael Hellqvist, Group Safety Manager at the Jula group.

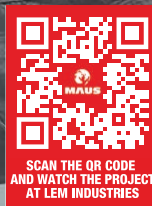




AUTOMATIC FIRE SUPPRESSION SYSTEM



A larger, portable fire suppression system that does not require any changes to the infrastructure and that will not harm hardware or electrical components.



SCAN THE QR CODE
AND WATCH THE PROJECT
AT LEM INDUSTRIES

ADVANTAGES



NON TOXIC

The potassium formula is 100% non toxic & environmentally friendly.



NO RESIDUES

No damages to hardware, electronics or engines.



PORTABLE SIZE

Place the unit anywhere in the space on the floor or on the ceiling.



MAINTENANCE FREE

Only an easy and fast yearly ocular control of the unit's battery indicator.



STANDALONE

No infrastructure needed. No pressure. No external electricity. No complex system.



MULTIPLE OPTIONS

For each unit you install you can add another activation method if you wish.



ABOUT THE PRODUCTS:

The EGO Blast system is extremely adaptable to any space. Once it activates it will not harm anything within the space and as long as the potassium based aerosol is inside the space there will be no re-ignition due to its smart secondary ignition protection. Studies show that 10 minutes exposure has no more impact on your health than one year of exposure in a workplace with maximum permitted concentrations. Compared to other fire suppression systems in the market this is the safest and most non-toxic solution. It does not damage hardware or electrical components.

UNITS



Protects 10 m³

EGO BLAST 100

EGO BLAST 150

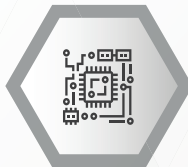


Protects 15 m³

APPLICATION



SERVER ROOMS



ENGINE ROOMS



WIND TURBINES



LARGER VEHICLES

PRODUCTS

MAUS EGO BLAST 150 (art. 4003-150). LxWxH 194x186x282mm. 7.8kg. **MAUS EGO BLAST 100** (art 4003-100). LxWxH 194x186x282mm. 6.8kg. **HDC CABLE 105°C** (art 4008-105). **HDC CABLE 68°C** (art 4008-68). **MANUAL ACTIVATION CALL POINT** (art 4402-1). **SMOKE DETECTOR W. RELAY SOCKET** (art 4401-1). **HEAT DETECTOR W. RELAY SOCKET** (art 4408-1). **RECITIVER 24 VDC / 0,6A** (art 4405-1). **RECITIFIER W. BATTERY BACKUP** (art 4406-1). **SIGN "EGO BLAST FIRE SUPPRESSION SYSTEM INSTALLED"** (art 1881-EN).

FIRE EXTINGUISHING GRENADE



First responder unit MAUS Granate 150 is a very effective extinguishing grenade that can also be used as an automatic fire suppression system.

ADVANTAGES



LARGE SPACE

Fire suppression up to 150 m³.



SAFE

Equipped with double safety pins.



EASY

Ergonomic handle to ensure easy deployment.



NON TOXIC

The potassium formula is 100% non toxic & environmentally friendly.



MAINTENANCE

Maintenance free during its 10 year life span.



ELECTRIC

Electric activation with built in battery.



**MAUS
GRANATE**

ABOUT THE PRODUCTS:

MAUS Granate 150 is a portable extinguishing grenade that is used as an emergency tool by the Swedish Rescue Service (Räddningstjänsten), the Swedish Police and "first responders". MAUS Granate 150 is a very effective tool both for fully developed fires and fires at an early stage. The unit is waterproof and extremely powerful to ensure complete fire suppression in larger spaces. It can also be used as an automatic fire suppression system with the MONITOR 2D for spaces that needs an affordable fire suppression system. It will suppress fires up to 150 m³ and extinguish fires up to 100 m³.

UNITS



MAUS GRANATE 150

**MAUS GRANATE 150
AUTOMATIC**



APPLICATION



RECYCLE STATION



GARAGE



WAREHOUSE



HOTEL

PRODUCTS

MAUS GRANATE 150 (art 1090). Dimensions: 330x235x119mm. Weight 5000g. **MAUS GRANATE 150 AUTOMATIC** (art 1095). With MONITOR 2D. **MAUS GRANATE 300 AUTOMATIC** (art 1095). 2x MAUS Granate 150 units connected with MONITOR 2D. **GRANATE WALL MOUNT** (art 1097). Black. Metal. **GRANATE HARD CASE** (art 1099). Hard case for transportation.

PROJECT

"In 2023 all the new Toyota Yaris Cross in Indonesia are equipped with the handheld portable fire extinguisher MAUS Xtin Klein. This will result in almost 20.000 fire extinguishers from MAUS being distributed on a yearly basis to the manufacturing plant of Toyota in Jakarta."





PORTABLE PGA FIRE EXTINGUISHER

HOLSTER KLEIN



Since the launch in 2013 the small red fire extinguisher has shown that effectiveness and performance can also be small and light with the new potassium technology.

ADVANTAGES



SIZE

Extremely small size and light weight.



CLEAN

Leaves no damaging residues. No damages to engines, electronics or interior.



EASY SYSTEM

Pull the safety pin and press the yellow button once.



NON TOXIC

The potassium formula is 100% non toxic & environmentally friendly.



MAINTENANCE

No need to check pressure or turn it upside down every year.



AWARD WINNING

Won the Innovation Award in France 2022 at Secours Expo in Paris.



10 KG
6 KG POWDER
 54.5 x 16 x 16 cm
 Real Weight: 9.72 kg



6 KG
2 KG CO₂
 10.5 x 44 cm
 Real Weight: 6.2 kg



4 KG
2KG POWDER
 38.5 x 12.3 x 12 cm
 Real Weight: 4 kg



NO KILOS
MAUS XTIN KLEIN
 5.3 x 24.2 cm
 Real Weight: 480 g

ABOUT THE PRODUCTS:

The MAUS Xtin Klein is designed for all kinds of small fires in the initial phase (approx. up to 45 seconds from when the fire starts). Only 24 cm long and weighing only 1/8 of what a traditional 2 kg powder extinguisher approximately weighs, allows MAUS Xtin Klein to fit almost anywhere. In your tool bag, in your belt, in the glove box etc. We always recommend to use MAUS Xtin Klein first as it will save you both time and money thanks to its residue free technology. A powder extinguisher has a larger capacity but will create damaging residues. For larger fires we recommend the three times more powerful MAUS Xtin Grand. The devices are not capable of extinguishing burning metals such as those found in flares and may not be effective on glowing ember. The MAUS Xtin Series are used by the Swedish Police, the Swedish Ambulance, PostNord and are installed in company cars from Audi, Volvo, Skoda and Volkswagen.

UNITS



MAUS XTIN KLEIN

MAUS XTIN GRAND



APPLICATION



CAR



SECURITY GUARDS



MILITARY



ELECTRICIANS

PRODUCTS

MAUS XTIN KLEIN (art 1001-1). HxØ 240x52mm. Weight 480g. Fire Class: Certified in 8B and 8C. **MAUS XTIN GRAND** (art 3001-1). HxØ 236x120mm. Weight 1.750g. Fire Class: Certified in 21B and 21C. **HOLSTER KLEIN** (art 1101-1). **NOZZLE KLEIN** (art 1201-1). Extends MAUS Xtin Klein with 24 cm. **HALTER KLEIN** (art 1401-1). Wall mount in transparent plastic material. **SIGN "PGA FIRE EXTINGUISHER"** (art 1883-EN).

CAR FIRE BLANKET



The car fire blanket is an important first response tool for any type of vehicle or machine. Enhanced prestanda with the help from Swedish Firefighters.

ADVANTAGES



DURABLE

Reinforced pull straps with cabin hooks for optimal durability.



1500°C

RESILIENT

High tolerance up to 1500°C.



PORTABLE

Comes with a bag that is easy to carry.



STABLE

3x pull straps (6 in total) to create extra stability when covering the vehicle/machines.



NO FUMES

Efficiently stops the release of toxic fumes.



ENHANCED

Tested and approved by Swedish Firefighters.



ABOUT THE PRODUCT:

A simple and efficient solution for controlling the outbreak of fire in vehicles, machines, generators and other larger objects is the MAUS Dekke AUTO PRO. A "large format" fire blanket with the purpose of suppressing the fire by depriving it of oxygen. It allows rapid intervention to prevent flashovers and spreading of the fire to other vehicles or buildings. With the help and guidance of Swedish fire fighters we have made improvements for a faster and more safe usage with three very strong pull straps on each short side. The pull strap in the middle of each side also guarantees a faster and more accurate coverage. To take the fire suppression to the next level you can also activate a MAUS Granate 150 and throw under the fire blanket.

UNITS



MAUS DEKKE AUTO PRO

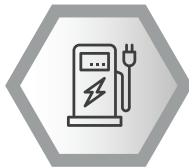
MAUS DEKKE WELDING



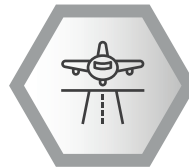
APPLICATION



GAS STATIONS



CHARGING STATIONS



AIRPORTS



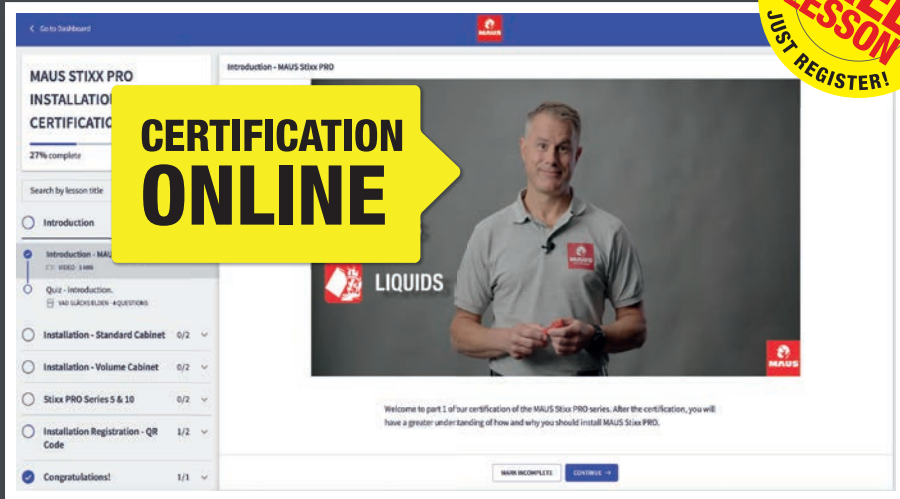
TOWING TRUCKS

PRODUCTS

MAUS DEKKE AUTO PRO (art 5010-1). Dimensions: 600x800cm. Weight: 27kg. Thickness: 0.45 ± 0.01mm. Weight/g: 590±30g. Melting point: 1000°C ± 50°C. Material: Silicone coated fiberglass cloth. **MAUS DEKKE PRO WELDING** (art 5005-1). Dimensions: 120x180cm. **MAUS DEKKE HOME** (art 5001-1). Hard shell. 120x180cm. **MAUS DEKKE MOBIL** (art 5002-1). Soft shell. 120x180cm. Both HOME and MOBIL have hand protection pockets.

MAUS ACADEMY

FIRST LESSON FREE
FREE LESSON
JUST REGISTER!



In order for you to install the MAUS Stixx PRO-series in someone else's property you need to be certified. In the online training you will learn about the technology, what product to install and how many to install. You will also get access to the important QR codes for each installation.



SCAN FOR ONLINE TRAINING IN ENGLISH AND IN GERMAN.



<http://mausacademy.thinkific.com>



SCAN FOR ONLINE TRAINING IN SWEDISH



<http://maussafety.thinkific.com>

ADVANTAGES



CERTIFICATE

You will receive an online certificate that you can print.



KNOWLEDGE

You will be able to advise your clients more and install more units.



EASY

It is easy once you understand the logic. And the online training will help you with just that.



ACCESS TO QR

Access to the QR-codes where you can record each installation in your name.



RECOMMENDED

MAUS will be able to recommend installers that are certified.



MORE ACCESS

Everyone who gets certified in 2024 will get free lifetime access to more trainings.

MAUS STIXX PRO

TESTIMONIALS

“Before making the decision to implement we did tests and verified it’s effectiveness.”

ALEX LEÓN
CODELCO
State-owned Copper Mine



“We have started to install MAUS Stixx PRO at a select number of our clients now!”

MARCUS FRIBORN
LÄNSFÖRSÄKRINGAR
Swedish Insurance Company



“It should be as obvious to have a Stixx PRO in every electrical cabinet as having a short circuit breaker.”

TOBIAS YTTERMAN
KILVIKENS FASTIGHETER
Real Estate Company



“I have been looking for this product since 1991! This will surely be a standard in a very near future.”

NIKLAS SVANBERG
NOTUM
Installation Company



AWARDS

BEST ELECTRIC INNOVATION 2021

“MAUS product is ingenious. Simple but with focus on safety.”

Ivan Ahlenblom | Electrical magazine "Elinstallatören"
Ninni Blom | Swedish Electricians Association
Product | MAUS Stixx PRO



Elmässan

PRODUCT OF THE SHOW AWARD 2022

“This amazing product is ideal for confined spaces, including electrical housing, fuse boxes, IT cabinets, refrigerators etc.”

Electric.ie | Association of Electrical Contractors (Ireland)
Product | MAUS Stixx PRO



Electric.ie

INNOVATION OF THE YEAR 2021

“Trophees de l'innovation 2021. Ce premier prix est remis a la societe

Nicholas Lefebvre | Directeur de salon Secours Expo
Product | MAUS Xtin Klein



Secours Expo

LEGACY

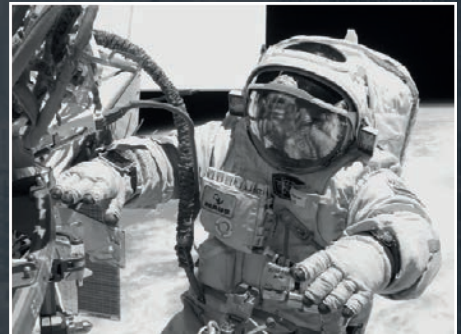


JOHANN PHILIPP MAUS

“Johann Philipp Maus was a German pioneer in the middle of the 19th century. He was a local fireman who developed many techniques to be able to save lives. It’s the name and the legacy of Johann that has given MAUS its name. And just like Johann we want to save lives through innovation.”

HISTORY

The technology originated from a space program in the 1980s. There was a need to develop a technology that could extinguish all types of fires without destroying the expensive technology inside the spaceships if there would be a fire. MAUS took that technology and placed it in small devices to protect people and buildings on earth.



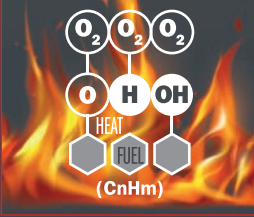
® SINCE 2013

In 2013 (after one year of development and reasearch) we registered the first brand name for our innovation «MAUS Aerosol Firefighter». We have since then upgraded and protected both the logo and the brand name «MAUS» internationally. MAUS is synonymous with innovative fire suppression technology from Sweden.

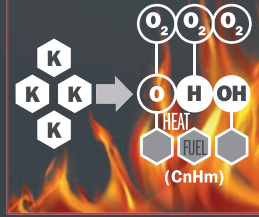


TECHNOLOGY

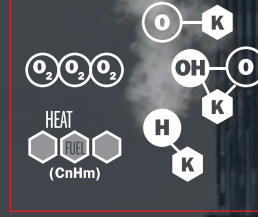
STAGE 1



STAGE 2



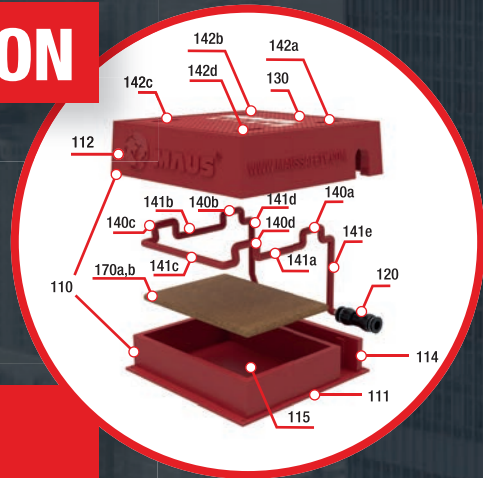
STAGE 3



Inside the MAUS products there is a solid substance of a potassium compound. Potassium radicals are very active and they interrupt the chemical combustion reactions by neutralizing hydrogen, oxygen and hydroxide radicals in the flame. As aerosols consist of very small particles of gas, the result is a more effective extinguishing agent than conventional powder. Another important feature of aerosols is that the dropping velocity of the particles decreases as the surface becomes larger in relation to the mass, which makes the air resistance relatively large in relation to the gravitational force. This results in particles staying suspended for a longer period of time, contributing to a longer inerting period creating a re-ignition protection. Together, these factors make PGA (pyrotechnical generated aerosols) a very effective extinguishing agent. The extinguishing effect per unit of weight is in the range of 3-10 times

SWEDISH INNOVATION

With worldwide protection, when it comes to design and utility patents, MAUS has a strong catalog of innovations. With a new patented solution to suppress fires in electric car batteries, MAUS could be the future answer to how we can extinguish electric car fires and create a safe environment. MAUS always strives to move the technology forward when it comes to making the world a safer place.

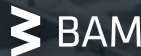
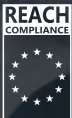


CERTIFICATIONS

Since we work with a technology that is new and not conventional we have had to be creative to find solutions to certify our technology to make sure that we can prove that it does what we say it does and that it's a safe product to market. To prove this we do Module B tests in Germany together with BAM (bam.de) and Module E tests with Fiditas (fiditas.com). These tests and the yearly audits Fiditas performs at our HQ is the foundation of the more advanced Swedish CE mark 2829 we have received. Having no standard for approval is a lot different to not meeting the standard of approval and therefore we push the development forward to create new standards for other larger certification agencies so we can achieve more certifications. We also report and follow the regulations regarding chemicals through ECHA, Kemikalieinspektionen and REACH.



2829



Fiditas



NIGHT AT THE FACTORY. EVERYTHING IS CALM, UNTIL...



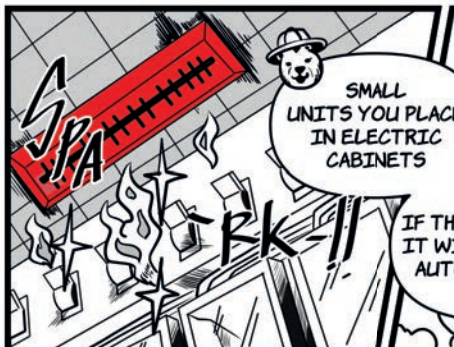
WELL I COULD HAVE BEEN AVOIDED

HOW!?



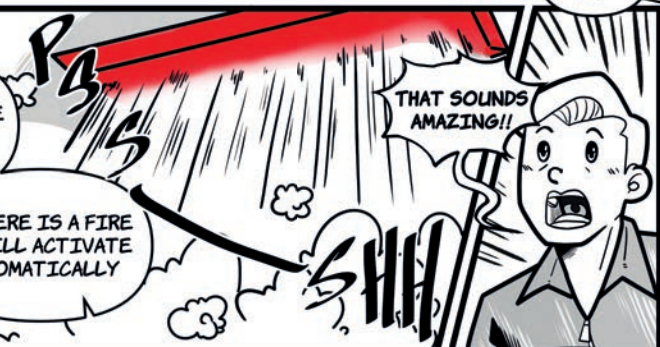
IF THEY WOULD HAVE JUST INSTALLED THE STIXX PRO SERIES. IT COULD HAVE SAVED THE FACTORY.

WHAT IS THAT ??



SMALL UNITS YOU PLACE IN ELECTRIC CABINETS

IF THERE IS A FIRE IT WILL ACTIVATE AUTOMATICALLY



THAT SOUNDS AMAZING!!



HOW CAN I DO THAT?



YOU JUST NEED TO BE CERTIFIED! SUPEREASY!



SCAN THE QR-CODE AND REGISTER YOURSELF. THE FIRST LESSON IS FREE

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