



PROJECTS

- »»» NATURAL SMOKE EXHAUSTING
- ☼ FIRE VENTILATION SYSTEMS
- ≡ CONSTRUCTION PROTECTION
- ☐ FIRE DIVISION
- 🏭 INDUSTRY 4.0 IoT
- 🔋 ENERGY STORAGES



➤ FOR OVER 35 YEARS, MERCOR GROUP HAS BEEN PROVIDING SAFETY

We are one of Europe's largest entities operating in the field of passive fire protection systems. We form an international corporate group which is one of the leaders in its field in the European market. Our comprehensive range of products includes: smoke and heat extraction and rooflight systems, fire ventilation systems and fire protection for building structures. In addition, also created by our subsidiaries: fire separation DFM DOORS, IoT solutions TECHLAB and energy storage ELMECH. We also offer full service support to our customers.

For over 35 years we have been providing safety. The company's portfolio consists of hundreds of projects completed in Poland and abroad. We combine our experience with innovation, creating new solutions to meet the challenges of modern construction.

We are a public company. Since July 2007, the shares of "MERCOR" S.A. have been listed on the Warsaw Stock Exchange.

1.

NATURAL SMOKE EXHAUSTING

Projects – Poland

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2.

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MERCOR S.A.

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4 SUBSIDIARIES SOLUTIONS

DFM
DOORS

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NATURAL SMOKE EXHAUSTING



FIRE VENTILATION SYSTEMS



CONSTRUCTION PROTECTION



FIRE DIVISIONS

ENERGY STORAGES

INDUSTRY 4.0 IoT

NATURAL SMOKE EXHAUSTING

Projects Poland & Eksport



Natural smoke exhausting supports the evacuation of people and the protection of property. The purpose of this type of solution, as with other fire protection equipment, is to reduce the temperature and remove smoke from areas affected by a fire, thereby improving visibility and facilitating the work of rescue and fire-fighting teams.



Production hall (Kornice)

Systems: smoke exhaust vents, ventilation vents,
skylights and continuous rooflights **mcr PROLIGHT**



www.youtube.com





GLP logistics hall (Modlniczka)

Systems: smoke exhaust vents
and skylights **mcr ULTRA THERM**
type NG-A, continuous rooflights
mcr PROLIGHT



1

Production hall (Wronki)

Systems: continuous rooflights
mcr PROLIGHT, smoke exhaust vents,
 skylights **ULTRA THERM**,
 louvered vents **mcr LAM**



Production and storage hall (Niepołomice)

Systems: continuous rooflights
mcr PROLIGHT with smoke vents,
mcr PROSMOKE ST smoke curtains



Warehouse (Gdańsk)

Systems: smoke exhaust vents
ULTRA THERM and continuous
 rooflights **mcr PROLIGHT**





Logistics Hall (Łazy)

Systems: vents **mcr ULTRA THERM** THERM type NG-A, skylights **mcr ULTRA THERM FIX** type NG-A



1.

Construction shop (Latvia)

Systems: continuous rooflights
mcr PROLIGHT with smoke vents



Power distribution company (Estonia)

Systems: vents **mcr LAM**





Production hall (Sweden)

Project: Voestalpine – Munkförs Värmland

Systems: vents **mcr PROLIGHT**





Production hall (Sweden)

Project: Micropower Växjö

Systems: vents **mcr PROLIGHT**
and skylights **mcr PROLIGHT**





Storage halls (Qatar)

Project: Qatar Free Zones

Systems: vents **mcr PROLIGHT**

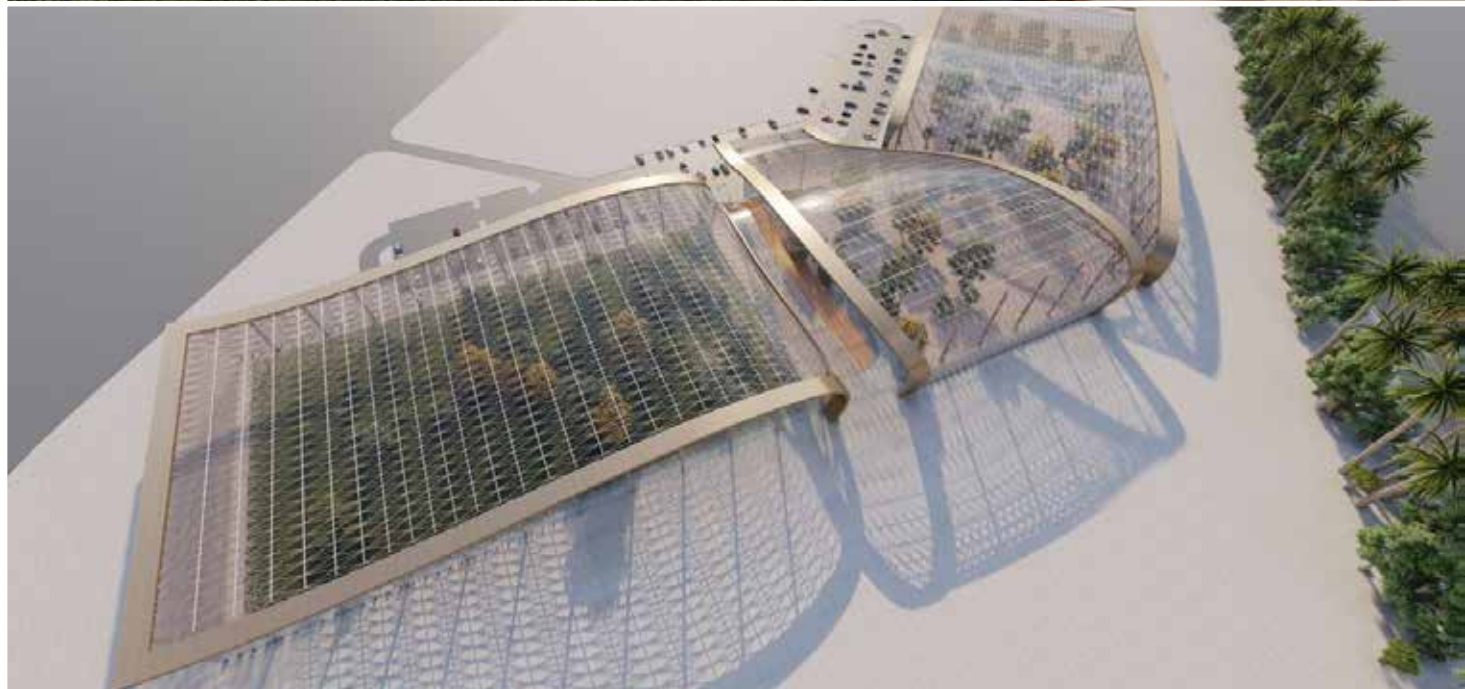




Greenhouse (UAE)

Project: Al. Rahba Greenhouse

Systems: vents **mcr PROLIGHT**



 <https://architizer.com/projects/al-rahba-greenhouse/>





Production hall (Austria)

Project: Voestalpine BÖHLER
Edelstahl GmbH & Co KG

Systems: vents **mcr LAM** for the façade



NATURAL SMOKE EXHAUSTING

Projects Subsidiaries



We exist on the fire protection market for almost 40 years. At that time, the company became one of the most important companies ensuring fire safety in Hungary and Central and Eastern Europe.



**Környe
(Hungary)**

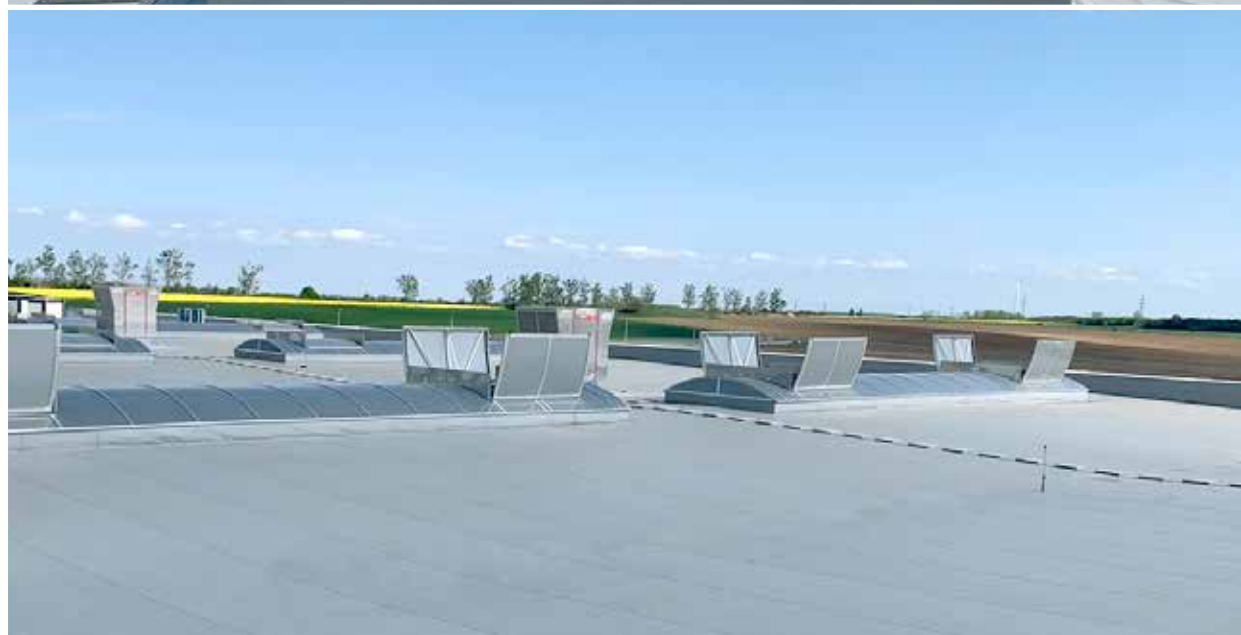
Systems: smoke exhaust vents
mcr ULTRA THERM





GKN Automotive (Hungary)

Systems: smoke exhaust vents and
continuous rooflights **mcr PROLIGHT**

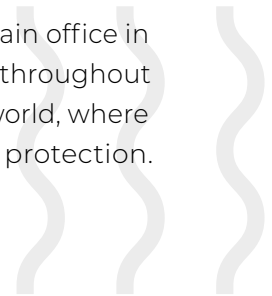


NATURAL SMOKE EXHAUSTING

Projects Subsidiaries



Mercor Tecresa, locating its main office in the capital of Spain, operates throughout the country and around the world, where it offers the best passive fire protection.





Costco Whole Sale (Spain)

Systems: smoke exhaust vents
mcr ULTRA THERM



El Salvador Hospital (Chile)

Systems: smoke exhaust vents
mcr PROLIGHT DVP type



NATURAL SMOKE EXHAUSTING

Projects Subsidiaries



Already in 2006, on the map of Europe showing investment regions with the greatest potential and growth dynamics, Romania clearly marked its position.



Gebruder Hall (Romania)

Systems: continuous rooflights **mcr PROLIGHT**, louvered vents **mcr LAM** for the façade



FIRE VENTILATION SYSTEMS

Projects Poland



Properly operating fire ventilation equipment lowers the temperature and provides a supply of fresh air, while significantly reducing the spread of fire to other rooms, allowing for efficient evacuation and firefighting action.



Cogiteon Małopolska Voivodeship Science Centre (Kraków)

Systems: fire dampers **mcr FID PRO** , **mcr FID S** , **mcr WIP**



www.youtube.com



2.

Science and Didactic Building at the Ochota Campus (Warsaw)

Systems: fire dampers **mcr FID PRO**, **mcr FID S**, **mcr WIP**, overpressure system for staircases **mcr EXi-F**, power and control unit **mcr OMEGA PRO**



Tunnel under the Świna (Świnoujście)

Systems: power and control unit **mcr OMEGA PRO**



2.

TVP Recording Studio (Warsaw)

Systems: power and control unit
mcr OMEGA PRO, smoke exhaust
fans: **mcr BORA**, **mcr MONSUN T**



Służewiec Campus (Warsaw)

Systems: fire dampers
mcr FID PRO, **mcr FID S**



2.

Bielany Residence (Warsaw)

Systems: fire dampers
mcr FID PRO, mcr FID S



Communication Centre (Zakopane)

Systems: power and control unit
mcr OMEGA PRO, smoke exhaust
fan **mcr PASAT**





**Południe Centre
(Wrocław)**

Systems: fire dampers **mcr FID PRO, mcr FID S, mcr WIP**



"The Park" (Kraków)

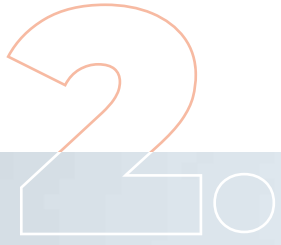
Systems: power and control unit **mcr OMEGA PRO**,
smoke exhaust fan **mcr MONSUN R**,
overpressure system for staircases **mcr EXi-F**



Warsaw School of Economics (Warsaw)

Systems: fire damper **mcr FID S**,
power and control unit **mcr OMEGA PRO**,
overpressure system for staircase **mcr EXI-F**





**Museum of Modern Art
(Warsaw)**

Systems: power and control unit **mcr OMEGA PRO**





Zeus Student Dormitory (Lublin)

Systems: fire dampers **mcr FID PRO, mcr FID S**,
power and control unit **mcr OMEGA**,
smoke exhaust fan **mcr BORA**,
mcr MONSUN R



Gołębiewski Hotel (Pobierowo)

Systems: fire dampers
| mcr FID PRO, mcr FID S



CONSTRUCTION PROTECTION

Projects Poland



By providing solutions that are not just limited to the development and commercialisation of fire protection materials, we contribute to increasing safety and preventing loss of life and property. We support customers in optimising passive fire protection solutions, including construction protection.

3.

Civic Building (Opole)

Systems: thermo-modernisation and use of **RES**, fire protection of a steel structure with fire resistance class **R120** and a reinforced concrete structure with the **mcr TECWOOL F** system with fire resistance class **REI60**

Quantity: 18 000 m²



3.

Reconstruction of a prefabricated LIPSK-type building (Warsaw)

Systems: fire protection of a steel structure with fire resistance class **R120** and a reinforced concrete structure with the **mcr TECWOOL F** system with fire resistance class **REI60/REI120**

Quantity: 15 000 m²





Barracks building, CSAiU (Toruń)

Systems: **mcr TECWOOL F**,
fire protection of the structure of **KLEINA ceilings** with **REI60** class
Quantity: 5 000 m²



Historic Railway Station (Czechowice-Dziedzice)

System: **mcr TECWOOL F**,
fire resistance class of the steel structure **R30** and **R60W**
Quantity: 1 900 m²



CHP Plant (Cieszyn)

System: **mcr TECWOOL F**,
fire resistance class of the structure **R120**



Construction of a residential building (Katowice)

Systems: **mcr TECWOOL T**
Quantity: 5 000 m²





Reconstruction of a tenement house (Warsaw)

Systems: **mcr POLYLACK W**,
fire resistance class **R15**

Quantity: 500 m²



WORD (Katowice)

Systems: **mcr POLYLACK W**,
fire resistance class of the structure **R30**

Quantity: 1 750 m²



ORLEN Visbreaking (Płock)

System: **mcr POLYLACK ELASTIC**, electrical penetrations **EI120**



Electrolytic Refining Tank Hall of the Copper Smelter (Głogów)

Systems: **mcr POLYLACK ELASTIC**



Serenada Shopping Centre (Kraków, Nowa Huta)

Systems: **mcr SILBOARD**,
fire resistance class **klasie REI60**

Quantity: 100 m²



Pavilion C of the Mazovian Treatment Centre for Lung Diseases and Tuberculosis (Otwock)

Systems: **mcr SILBOARD** 30/35/50 mm – cladding of the pillar structure of the storey
superstructure **R120** spray protection of the roof structure to **R120**

Quantity: 200 m² (mcr SILBOARD) + additional 1000 m² (R120)





Renovation of the Arsenal Building (Warsaw)

Systems: **mcr TECBOR** 12/10/15 mm,
construction of wooden roof pillars **R60**, roof covering **REI60**, suspended ceiling **REI60**
Quantity: approx. 2 000 m²



Royal Wilanów (Warsaw)

Systems: **mcr TECBOR** 30 mm,
cladding of window blinds (inter-storey strips) **EI60**
Quantity: approx. 1 000m²



SUTCO (Katowice)

System: **mcr TECBOR**,
fire resistance class of the structure **R60**
Quantity: 550 m²



Jagiellonian University, Piast Student Dormitory (Kraków)

System: **mcr TECBOR**,
fire resistance class of the wall **EI120**
Quantity: 1 400 m²



CRAFT office building (Katowice)

Systems: **mcr TECBOR**, cladding of lift shafts with **E160** class
Quantity: 200 m²



Voivodeship Oncology Centre (Poznań)

Systems: **mcr TECBOR**, cladding of lift shafts with **E160** class
Quantity: 200 m²





Ice rink (Krynica-Zdrój)

Systems: : fire protection of steel structure **mcr TECWOOL F** with fire resistance class **R30**, **mcr POLYLACK ELASTIC**, **mcr PS/PS-25** installation penetrations **EI120**

Quantity: 5 000 m²





Echo Rytm Kabaty Royal Wilanów (Warsaw)

Systems: **mcr PS**, **mcr POLYLACK ELASTIC** + **mcr TECBOR** 30 mm
Quantity: approx. 1 000 m²



Museum of Modern Art (Warsaw)

Systems: **SILBOARD** 40 mm + **mcr DUNASEAL**
Quantity: 1 000 m² + 200 metrów



Budryk Mine (Ornontowice)

Systems: **mcr TECWOOL F** with fire resistance class **R120**, **mcr TECBOR**
Quantity: 320 m² (mcr Tecbor structure)



3



Tenement house – historical building (Białystok)

Systems: fire protection of the structure with **REI60** class

Quantity: 1 300 m²



KREO Wadowicka (Kraków)

Systems: **mcr POLYLACK ELASTIC**, **mcr DUNASEAL**, 1000 linear metres of expansion joints **Ei120**

Other:

Installation penetrations **mcr ELASTIC** and cladding of cable ducts **mcr SILBOARD** on the housing estates of:

OZON VI (Kraków), Osiedle nad Kanałem (Zabrze), Nowy Pekin (Sosnowiec), Romanowicza (Kraków), Bunscha (Kraków), Smoleńsk (Kraków)



FIRE DIVISIONS

Projects Subsidiaries

DFM
DOORS



In the last financial year, the company realized a turnover of 70 million, equipped the Polish embassy in Berlin and the Eiffel Tower in Paris with its solutions. The production of doors and fire divisions takes place on a modern, automated production line while maintaining the highest standards on the market.



Słowianka Sports and Entertainment Arena (Gorzów Wielkopolski)

Systems: doors **DFM DS** & **DFM OS**
(large-size – sliding gates)



Panattoni Park (Iłowa)

Systems: doors **DFM DS** & **DFM OS**
(large-size – sliding gates)





Museum of Polish History (Warsaw Citadel Museum Complex)

Systems: steel doors **DFM DS (EI30, EI60)**, oversized steel doors, steel doors **EI120**, steel doors with **RC3 class** – burglar resistance class and large-size doors **DFM OSRC3**.



www.youtube.com





Lons Cité Sport (France)

Systems: steel doors **DFM DS**



Confectionery factory – Astra Sweets (Belgium)

Systems: steel doors **DFM DS**



Residences – Domaine Petit Parc (Luxembourg)

Systems: steel doors **DFM DS**



Nuclear Power Plant – State Enterprise Ignalina (Lithuania)

Systems: steel doors **DFM DS**



Eiffel Tower (France)

Systems: steel doors **DFM DS** and profiles **DFM GD**

INDUSTRY 4.0 IOT

Projects Subsidiaries



At mcr Tech Lab, which is a new company in the Mercor Group, we are responsible for providing innovative solutions in the field of fire safety. We use Internet of Things (IoT) technologies, wireless transmission, blockchain network transactions and we create a modern mobile service.



Rossmann (Łódź)

Scope of work: configuration and installation of an external access gateway (GATEWAY) with a dedicated antenna to amplify the signal



Waste monitoring system with Waste24 (Starogard Gdański)

Scope of work: implementation of the waste monitoring system included installation of sensors in 10 waste containers / installation of a communication gateway on the roof



ENERGY STORAGES

Projects Subsidiaries

elmech



From the very beginning, Elmech has been designing and manufacturing electronics and power electronics for light and heavy industry, the maritime market, power engineering, military, aviation, rail and shipbuilding as well as the food industry. The company has developed many innovative solutions for guaranteed power supply, energy conversion, battery charging, supervision and management and power quality improvement.



BAT – energy storage 50kW 75kWh

- » Mobile version, as it is not in a container and is an all-in-one device,
- » Integration with a photovoltaic system,
- » Reactive power compensation,
- » Collective UPS function,
- » Time and load shifting – transferring energy and power consumption to another time,
- » Peak shaving – reduction of peaks in power demand exceeding the ordered capacity.



Mercor – energy storage 100 kW 460 kWh

- » Application in a 40-foot container,
- » Improving power quality – reactive power compensation and harmonic filtration,
- » Integration with a photovoltaic system – storage of surplus from PV,
- » Time and load shifting – transferring energy and power consumption to another time,
- » Peak shaving – reduction of peaks in power demand exceeding the ordered capacity.



Xivar APF – Hellermann Tyton 1200kVAR)

- » Reactive power compensation,
- » Harmonic filtration Reduction of active energy losses,
- » Saving 10% of active energy consumption,
- » Total elimination of costs for reactive energy consumption.



Thank you for your attention

www.mercor.com.pl/en