

ALUCO SYSTEM

aluminium joinery



#LetThereBeDaylight

Aluminium door and windows, façades,
roof skylights and winter gardens

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 **ALUCO**









Let There Be Daylight

Learn about the positive effects of natural daylight on humans and their surroundings

Adding light to selected places in a room with skylights or windows is the easiest way to take advantage of natural sunlight. It reduces the operating costs of buildings and at the same time protects the natural environment by reducing fuel consumption and carbon dioxide emissions.

Research proves that daylight has a positive effect on our mood and health. Our brain responds better to natural light than to artificial light. In addition, rooms filled with sunlight create an atmosphere in which employees feel better and function much more efficiently.

External sun protection
blinds in the MB-SUNROF
system

Aluminium Joinery

Buildings are not just roofs over our heads. They also shape the way we perceive our surroundings

Buildings are not just roofs over our heads. They also shape the way we perceive our surroundings. Just like nature creates stunning views, buildings show what man is capable of creating. If a given building arouses admiration even for a moment, then we know that we, as creators, have managed to achieve its entire potential.

Architectural aluminium systems allow for the performance of a wide range of joinery from window and door joinery to bay windows, winter gardens to post and beam façades and semi-structural façades.







A comprehensive range
of aluminium joinery
solutions

Aluco System Offer

Aluminium joinery

Aluco System has been on the market for over 20 years. We deliver aluminium joinery in many high quality systems

Our company was founded in 1997. Since then, we have implemented dozens of aluminium and glass joinery installations across Poland and abroad. This fact places Aluco System among the most experienced and recognized Polish brands in this sector.

We produce and deliver:

- windows and doors,
- fire-resistant joinery,
- sliding doors,

- façades,
- roof skylights,
- balcony and loggia installations,
- winter gardens.

With Aluco System aluminium joinery solutions you get modern and flexible design, thermal isolation, visual comfort and most importantly exceptional build quality which will withstand the test of time.



Doors and windows

Aluminium doors and windows including fire-resistant joinery solutions.



Façades

Quality aluminium facade systems for residential and industrial purposes.



Roof skylights

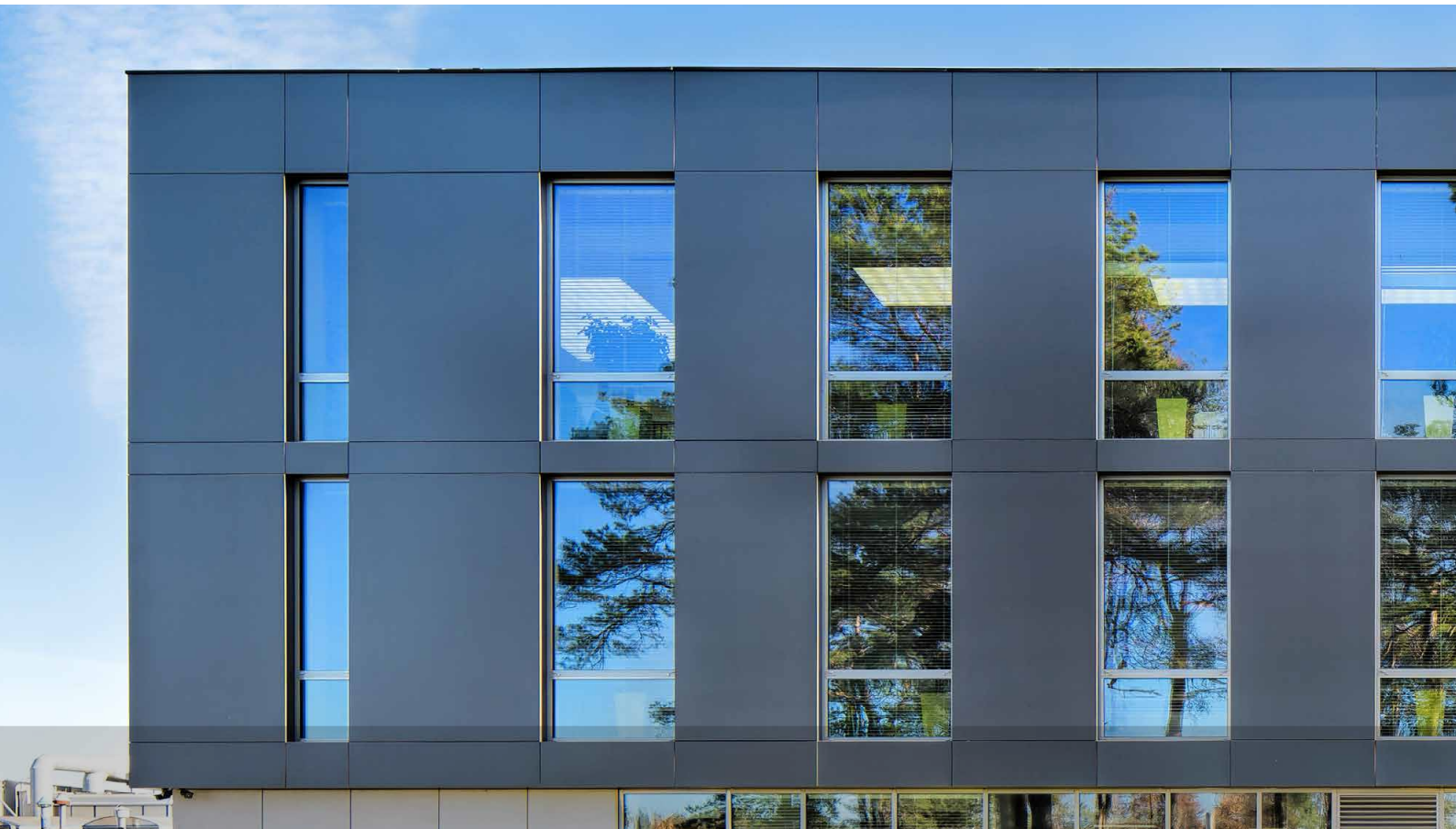
Glass roof skylights system available in many options.



Winter gardens

Elegant, functional and modern winter gardens for individual clients.





Doors and windows

We offer a comprehensive range of aluminium doors and windows including fire-resistant joinery solutions

We offer a comprehensive range of aluminium doors and windows including fire-resistant joinery solutions. Our offer includes aluminium joinery implemented in tried and tested high quality systems including ALUPROF, YAWAL, REYNAERS, SCHUECO.

Our structures used in construction are made of the highest quality profiles. The quality is confirmed (in accordance

with the applicable construction law) by certificates of admittance for use in construction, issued by the Building Research Institute.

We cooperate with suppliers of components and accessories who meet high quality requirements: EFFECT GLASS, PILKINGTON, AGC, ESCO, DORMA, BESAM and many others.



**Flexible design and
superb durability for
buildings of any kind**



**Solutions based on high quality
aluminium joinery systems**



Thermal insulation and safety for maximum sustainability

Advantages of aluminium structures

- Precision of workmanship
- Dimensional stability over a long-term period (the shape remains unchanged as a result of heating in comparison to PVC)
- High mechanical durability in comparison to pvc
- Aluminium structures do not require surface maintenance like wooden ones and cleaning is quick and easy
- Aluminium structures (powder-coated or anodized) are very durable, resistant to weather conditions and wear
- A wide selection of colours for varnished and anodized profiles
- An elegant profile of aluminium structure guarantees the maximum light access and aesthetic appearance
- Very good thermal insulation, which is ensured by a complex construction and various types of infill (aluminium profiles allow for the structure with a thermal insulation coefficient reaching $u = 1.2 \text{ w/ (m}^2\cdot\text{k)}$ with glass with a coefficient reaching $u = 1.0 \text{ w/ (m}^2\cdot\text{k)}$)
- Various opening styles and systems and compatibility with other aluminium systems
- Fire-resistant systems in ei15 to ei60 classes and anti-burglary systems available
- The possibility of making arch structures, aluminium windows and doors are stiffer and lighter than PVC and wood, thus they can be used in larger structures
- The use of thermal barrier made of polyamide in the bridge zone provides aluminium profiles with thermal insulation
- Special aluminium structures meet the specific fire-fighting and anti-burglary requirements described in attestations
- Aluminium guarantees simple and clean processing
- Aluminium systems, depending on thermal requirements for the structure, allow the use of warm or cold systems
- They allow for the use of a wide range of glazing types with different thickness and types
- They do not emit harmful compounds in case of fire like PVC
- The possibility of producing sliding doors with a large glass pane that are widely used in the construction of terraces and winter gardens
- Prestigious appearance of aluminium







Louvre systems

We deliver aesthetic louvre windows, which co-create a complete building structure in such a way that they do not affect its overall concept, but rather enhance its visual qualities. At the same time, we also pay attention to energy efficiency. Our windows correspond to the currently valid EnEV standards (German standards regarding energy efficiency of buildings), and their low combined permeability coefficients and low values of U up to $0.5 \text{ W/m}^2\text{K}$ help save energy.

Bearing in mind the comfort of use, aesthetics and care for the environment, we present our blind window systems, which can be used as daily ventilation systems, smoke removal systems, aeration systems (necessary for the proper functioning of smoke removal systems).

Our systems can be adapted to aluminium and glass façades and can be used as single windows or wind-driven ventilator systems.

Comfortable work environment
on the inside. Elegant and
interesting design on the
outside.



**High aesthetic value
of workmanship**





Façades

Aluminium and glass façades

Aluminium and glass façade systems are the perfect solution for the construction of glazed façades of buildings such as banks, office buildings, hotels, sports halls, shopping malls, offices and other civic buildings. It is an excellent tool that gives you the freedom to implement even really bold architectural concepts. At the same time, façades of this type are characterized by many practical advantages, such as the ease of bringing daylight into the interior of the

Aluminium and glass façades mean flexibility for the implementation of bold visions of designers shaping contemporary architecture

building, or excellent thermal insulating properties. Our projects meet the latest requirements of energy-efficient construction. High quality of the materials and careful implementation guarantee trouble-free operation of the system for many years.



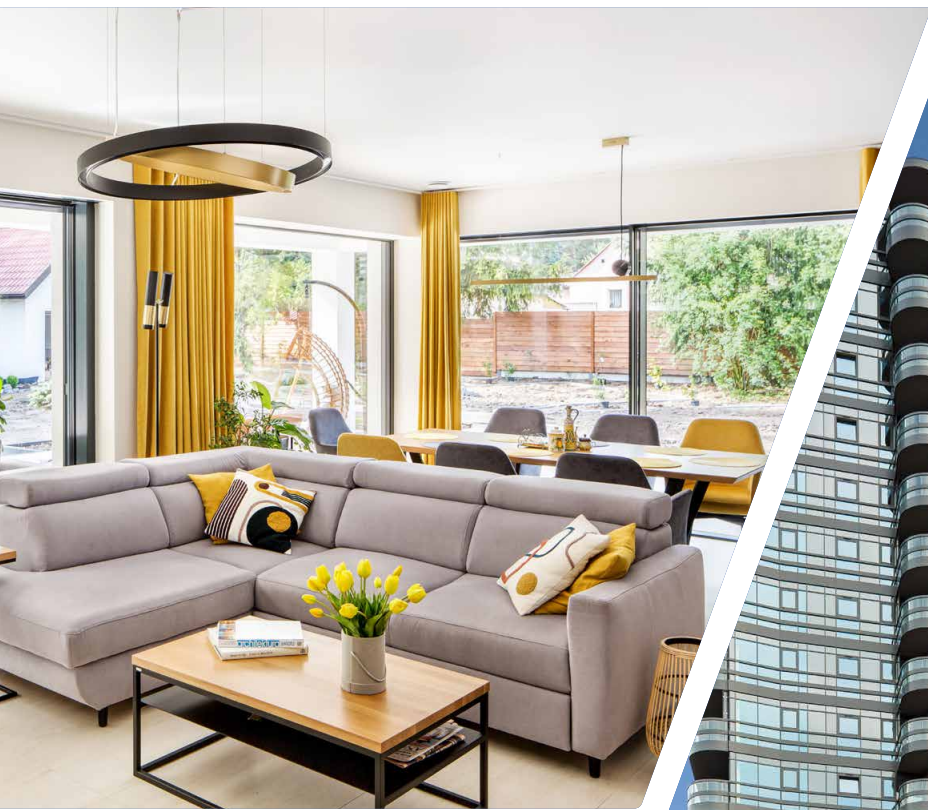
**Wear and tear
resistant and easy to
maintain and clean**



**Reduced carbon
footprint thanks
to high thermal
insulation**









Roof skylights

Daylight in the interior of a building creates a natural and pleasant atmosphere for its users. As a result, employee productivity also increases and there are energy savings resulting from replacing artificial light. That is why skylights are so highly valued today in modern architecture, not only industrial architecture.

Daylight inside a building is not only a better working climate, but also energy savings

We make and install glass skylights in civic facilities, including glass offices, hotels, shopping malls, sports and fair centres, as well as in residential and industrial buildings.



**Introducing natural
light to any buildings**

Our skylight system is flexible, which makes it suitable for all architectural and operating conditions. We use the best materials and established solutions. The quality of our implementations is confirmed with their long-term warranty.

Combined with our smoke exhaust and daily ventilation systems, skylights are the perfect fusion for free natural lighting as well as the extraction of smoke and heat in the event of a fire.



Winter gardens

Your winter garden can be a glazed living room, a home orangery or a sunny dining room with a view! You can relax and calm down in it or enjoy the company of family and friends. All year round! No matter what the weather is like!

Taking advantage of many years of experience in the field of skylights and metalwork, we have created a department for conservatory, aluminium and glass roofing solutions. Our projects are individually tailored to the needs of our customers. We do our best to make them match perfectly the architecture of the buildings, creating a harmonious whole.

Substantial glazing provides maximum illumination of the space having a positive impact on the well-being of all household members. Stylish arrangement increases the attractiveness of a house. A conservatory also increases its usable area.

Quality and careful implementation is our priority, and thus we use only top quality insulated aluminium profiles. As a result, our conservatories are tight and resistant to strong gusts of wind, and they are not at risk of deformation under the pressure of a large amount of snow. The thermally insulated structure means that even in winter the room can be used as a living room!

Spaces made of non-insulated aluminium profiles are an economical alternative. In this case, a glazed unheated room is created, which can be used on a seasonal basis. A lower price of implementation is an advantage here.

We also offer balcony roofs made of aluminium and glass, thanks to which home terraces will become much more useful and comfortable.



SELECTED WORKS



CENWIS

Façades and external doors in the ALURON system, fire-proof doors in the ALUPROF system, ventilated HPL façade with a TRESPA façade panel, SOLARTECH façade blinds.



CK Technik

External façade sunblinds



Bus Station in Kielce

ALUPROF MB SR50N external façades, ALUPROF MB 78EI fire-proof doors, MB45 OFFICE all-glass walls, glazing in the Mediateka part with point-mounted glass.



ECHO Shopping Mall

Aluminium and glass skylights with a total area of 6,000 m² were made in the SCHÜCO FW 60+ system with the use of an innovative gutter gasket running along the columns that support the glass pane.



SCHOLLGLAS plant

The aluminium and glass façade in the glass factory building is made in the ALUPROF MB-SR 50N HI system.



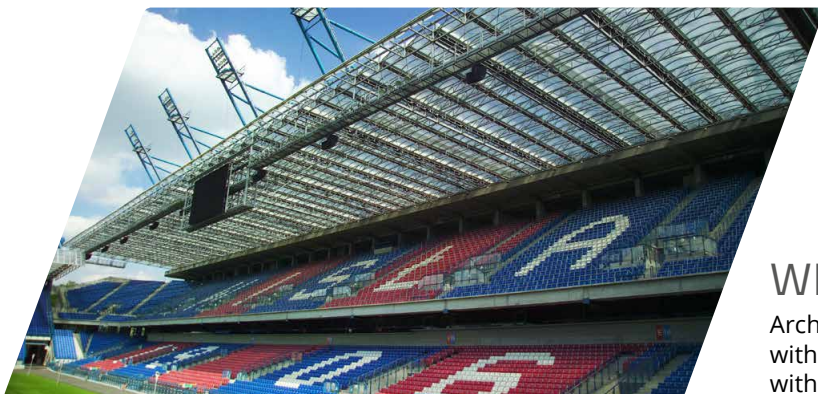
TELEGRAF CITY

The aluminium and glass façade in the TELEGRAF CITY building in Kielce at ul. Tarnowska - ALUPROF MB-SR 50N (IW) HI system.



Sports Hall in Bytom

The aluminium and glass façade is made in the YAWAL FA 50 SL system (with no aluminium strips visible from the outside). The windows in the façades are tilted outwards.



WISŁA KRAKÓW Stadium

Arched roofs based on aluminium structure filled with a 20 mm thick chamber polycarbonate board with an area of approximately 5,600 m².



Let There Be
Daylight



Selected customers: Fiat Chrysler Automobiles, Skanska, Volkswagen, LOT, PKP CARGO, MAN, Eiffage, Budimex, Castorama, Cersanit, MediaMarkt, Rockwool, Echo Investment, Targi Kielce, DS Smith, Cerrad, Forte, Browary Tyskie.

About us

We help our customers take full advantage of natural light

At Aluco System, we have been helping our customers to make the most of the benefits of natural daylight for over 20 years.

Our company's product range includes:

- roof skylight systems,
- natural smoke exhaust systems,
- polycarbonate façades,
- aluminium joinery,
- industrial ventilation,
- Lumira aerogel ,
- thermal modernization.

Our priorities are technological development, energy efficiency and top materials. Our solutions have been used in dozens of facilities throughout Poland, both in industrial buildings and architectural projects with a bold concept. We are a 100% Polish capital company.

We perform orders all over the European Union and beyond.

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