

Improving the Quality of Life

The future will see many changes to various aspects of the construction industry, ranging from energy consumption costs to the inclusion of natural materials and sustainable cost-efficient maintenance.



Fresh air and plenty of light

The architecture itself has a profound effect on our health, well-being and productivity.

en.mik-ce.si

mik Q
QUALITY

mik 
INNOVATION

mik A⁺
WARRANTY

mik S⁺
SERVICE

mik 
SALONS

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Well-being and healthy living

When the World Green Building Council (WGBC) first published The Business Case for Green Building report, the chapter on the relationship between sustainable buildings and health, well-being and productivity of their inhabitants attracted the greatest interest from investors.

Among the criteria defining a healthy building, the type of construction, use of people- and environmentally-friendly materials, sufficient natural light and, above all good ventilation were listed. **Improvements to ventilation** can **raise employee productivity** by up to **11%** while **natural lighting** can improve it by as much as **81%**. Another factor influencing productivity is temperature; when it is too high, it can be lowered by **20%** and when it is too low, it can be reduced by **4%**. Noise and sound disturbances can result in an astonishing **66% drop** of productivity.

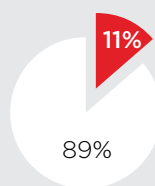


What is the cost of the impact that buildings have on our health?



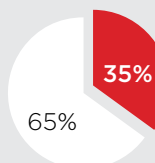
Improving living conditions

We spend up to **90% of our time** within buildings.



Renewing residential premises

As many as **80 million (11%) Europeans** reside in **humid and unhealthy buildings**, which almost doubles the risk of asthma.



More fresh air and daylight

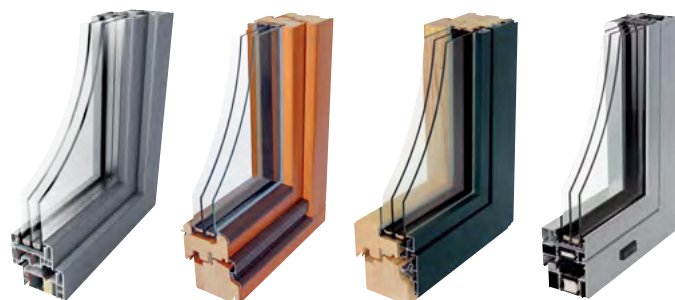
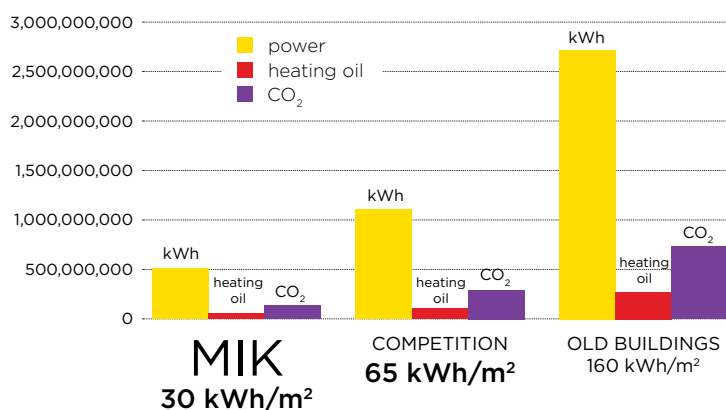
35% of Europeans consider **air quality** and **availability of sunlight** to be **very important** when choosing a new home. Daylight is crucial for how healthy we are and how well we feel. It influences our hormonal balance, biorhythm and quality of sleep. Exposure to high light values shortens hospital stays.

Windows MIK

We guarantee security along with minimum heat losses

Having distinguished ourselves as the country's leading manufacturer of doors and windows and provider of solutions for glazing and ventilation, we guarantee high-quality glazing and healthy indoor air.

A comparison of heating oil consumption, CO₂ emissions and energy consumption in old buildings, buildings with MIK windows, and buildings with competing products (over a 25 year-span with an annual production of 120,000 windows and a 720,000 m² total surface).



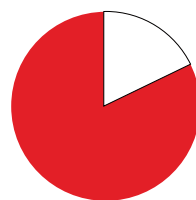
Top-notch solutions

Our excellent MIK windows guarantee low thermal losses, noise insulation, durability, security and colour coordination with the building's interior and exterior.

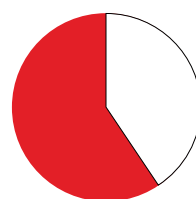
Our high-quality materials, along with our R&D and computer-guided production, have been helping us write our success story for **over 25 years**. Compliance with European safety, health and environmental protection regulations, **CE marks** and our EFQM - **Recognised for Excellence award** speak of our commitment to changing lives for the better.

Our **every project**, regardless of the customer specification's, is managed in line with **LEED (Leadership in Energy and Environmental Design)** and **Greenbuilding standards** to assure the **protection of the environment**, **quality of living and sustainability**.

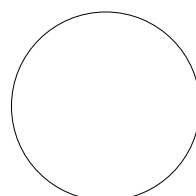
How many trees will we preserve in 25 years at an annual production rate of 120,000 windows?



2,527,200 trees
MIK: 30 kWh/m²



1,846,800 trees
COMPETITION: 65 kWh/m²



0 trees
OLD BUILDINGS: 160 kWh/m²

MIKrovent® ventilation system

Fresh air and savings

It is well-known that unplanned, makeshift ventilation when windows are opened not only causes a draft, but also invites noise and causes significant thermal losses, and the incoming air needs to be cooled down in the summer and heated to room temperature in the winter.

The MIKrovent® local ventilation system with up to **87% heat recovery** at **a 100% air exchange** rate ensures the most innovative and cost-efficient solution for local ventilation.



MIKrovent® ventilation system advantages

Fresh air is one of the key factors of healthy living.



Fresh air

Raises the quality of indoor air by increasing the quantity of negative oxygen ions.



Savings

Reduces power consumption and saves costs.



Improved security

Guarantees all benefits of keeping the windows closed, e.g. protection against burglary.



Protection against airborne pollution

Prevents dust and polluted air from entering the building.



Noise protection

Prevents outdoor noise from entering the building.



Protection against insects

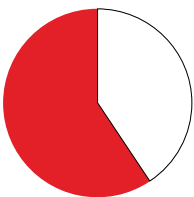
Various insects are denied entry.



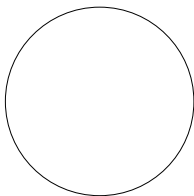
Protection against allergens

The lives of allergy-prone people are made easier with high-quality washable filters (F7, F8).

How many trees will be preserved over 25 years in a city with 100,000 MIKrovent systems installed?



1,080,000 trees
MIKrovent®



0 trees
OLD BUILDINGS without heat recovery and ventilation.

Your SAVINGS with MIKrovent Over 25 years in a 150 m² house

	MIKrovent	Central ventilation system	Ventilation system without heat recovery
	21.604 €	7.775 €	
SAVINGS			
operating costs	12.087 €	19.366 €	34.641 €
investment	3.450 €	10.000 €	2.500 €

Increasing your power savings

Low thermal losses, noise insulation, durability, security and colour coordination with the building's interior and exterior are what it takes for windows to ensure your quality of life. In buildings with good glazing and insulation, on average about **50% of the used power is spent on heating and cooling the premises** to a temperature suitable for comfort and the well-being of its residents. **The other 50% is spent on ventilation.** Therefore, in addition to proper glazing and insulation, a suitable ventilation system needs to be installed in order to bring down costs even further.

Power consumption in buildings

50%
Ventilation
of residential
areas



50%
**Heating and
cooling**
of residential areas

We provide counselling services in power-consumption overhauls of buildings

- Complete building analysis;
- Thermal imaging;
- Power consumption analysis;
- Energy loss analysis.

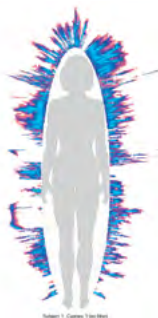


With infra-red thermal imaging, we analyse:

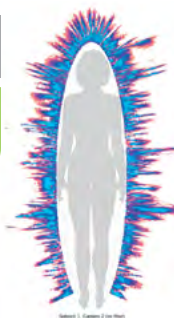
- Insulation, construction defects;
- Window installation defects;
- Door and window air tightness;
- Moisture in walls and causes of increased moisture and mould development;
- Thermal bridges;
- Roof hydroinsulation defects;
- Performance of heating and cooling appliances (radiators, etc.);
- Condition of electric cabinets and installations;
- Defects in floor heating and hot water installations.

Improving well-being

Our MIK energy windows work without a break and require no extra power. Our MIK Energy Disk is programmed with a special energy code that helps **balance the air** and **humidity** in a room by influencing their chemical and physical properties, thus **improving the well-being of people, animals and plants nearby**. MIK Energy Disks can improve people's well-being by as much as 40%.



EFFECT
+40%



The energy state of an individual **before** they were exposed to the action of MIK Energy Windows.

The energy state of an individual **after** they have been exposed to the action of MIK Energy Windows.



Improve the energy of humidity and air in a room:

- Purify air;
- Freshen up the room;
- Increase and prolong mental concentration;
- Decrease physical exhaustion.

Our outstanding qualities



Energy efficiency

MIK windows are the most energy-efficient windows on the market. Our products are in the highest energy-efficiency range - Class A - and will help reduce your heating and cooling costs by up to 30%.



Professional service with a personal touch

Eight different experts work on every project: sales specialist, measurer, technologist, calculations specialist, service technician, project planner, installation specialist and installation operations manager. In our quest to ensure the maximum well-being of building users, we develop efficient, optimised solutions and provide them at a superb level of service.



Innovative solutions

Quality- and technology-oriented R&D with new products and solutions being developed on the basis of our expertise: MIKrovent ventilation, Energy Disk, RAL installation, etc.



Tailor-Made Projects

Our projects are carried out in compliance with the LEED (Leadership in Energy and Environmental Design and Greenbuilding standards.



Technological perfection

IT-guided technology and production for high-quality, optimised products.



Excellent suppliers

We work only with the top European suppliers of raw materials and supplementary products.



Computer-guided production

Each individual product conforms to exactly the same quality standards. (The very first and the ten thousandth product of the same kind will be of the same quality.)



Short delivery times

We listen to the customer's demands and adapt to them.



Environmental protection

We buy, use and install environmentally-sound and nature-friendly products and materials.

We guarantee:

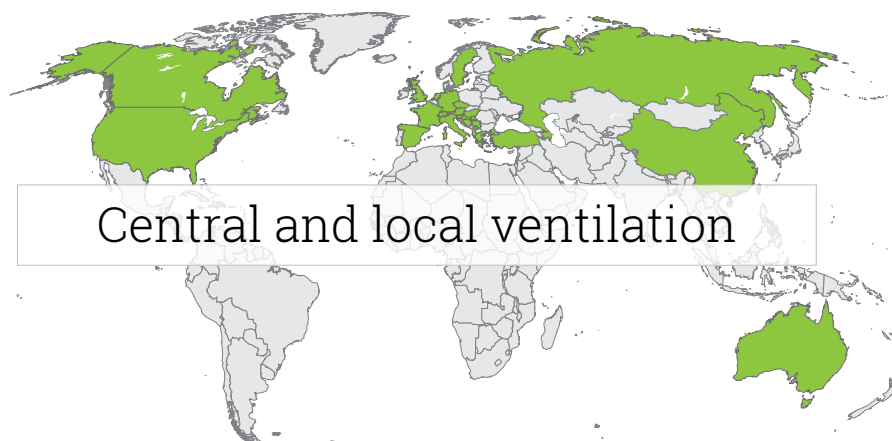
- Competitive prices;
- Power savings;
- Noise reduction;
- Home and office security;
- Improved air quality;
- Long-term satisfaction, with a warranty and regular service and maintenance.

EXAMPLE OF GOOD PRACTICE:

Energy savings in Grand Hotel Primus, Terme Ptuj
15,200 m² (total surface)

	Power kWh	Heating Oil L	CO ₂ kg	Trees required to offset CO ₂
MIK 31 kWh/m ² (25 years)	11,780,000	1,178,000	3,180,600	12,720
COMPETITION 65 kWh/m ² (25 years)	24,700,000	2,470,000	6,669,000	26.676
OLD BUILDINGS 160 kWh/m ² (25 years)	60,800,000	6,080,000	16,416,000	65,664

We create



Central and local ventilation