

20

YEARS OF SOLUTIONS FOR A BETTER CLIMATE







REMAK

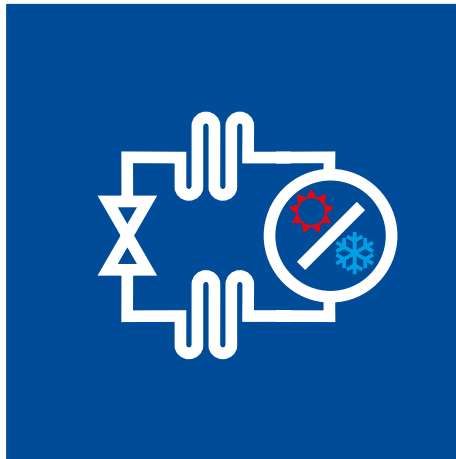
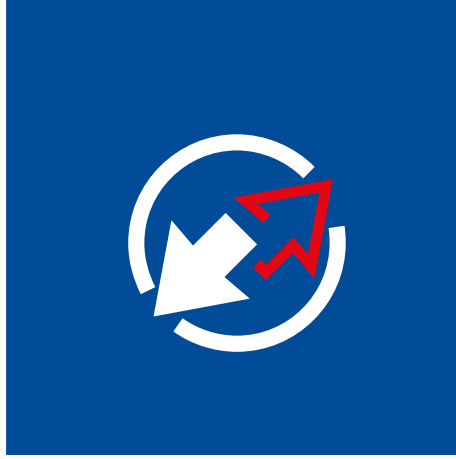




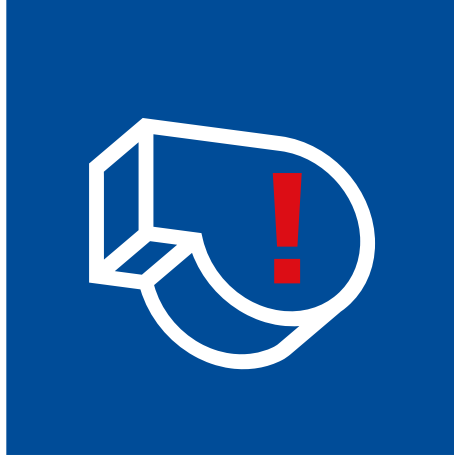
Solutions for a Better Climate

WHAT WE DO

**VENTILATION
INDUSTRIAL, COMMERCIAL AND
PUBLIC BUILDINGS**



**COOLING, HEATING
APPLICATIONS WITH
SPECIAL REQUIREMENTS**



**DEHUMIDIFICATION
SWIMMING POOL HALLS
AND TECHNOLOGY**

**VENTILATION
APPLICATIONS WITH
SPECIFIC REQUIREMENTS**

HOW WE DO IT

With enthusiasm and passion, we develop and design advanced and high-quality air-handling devices to improve your breathing and life.

We respect our customers and partners, and we strive to be a helpful, reliable and trusted partner by providing high-quality products and services.

We are a FAIR PLAY COMPANY on a long-term basis.

10 REASONS TO CHOOSE REMAK



1. TRADITION – We have pursued a family company tradition since 1993, and we are proud to be able to provide our customers with "Made in Czech Republic" products developed and manufactured to satisfy the specific needs and requirements of our customers in many countries.
2. POTENTIAL – We have been developing our capacities and creativity for 20 years – this is our potential.
3. INDEPENDENCE – In today's globalised world, a family company is the right partner when searching for new solutions and partnerships.
4. FLEXIBILITY – Our team is always ready to positively respond to the needs of our customers, whether they need specific solutions, technical support or logistics. However, we always promise only what we are able to guarantee.
5. ORIGINALITY – All our solutions are genuine in both design and technology. Many of them are protected by patents.
6. QUALITY – For us, the ISO 9000 quality system is not just an obligation, it is our style of doing business.
7. RELIABILITY – Top performance and long product service life are our goals.
8. CREDIBILITY – The parameters of our products are verified by independent testing laboratories, including TÜV, DTI and Eurovent laboratories.
9. SUPPORT – We are very particular about customer support and reliable servicing.
10. PROFITABILITY – We do things so that they are technically and price advantageous.

WE OPERATE IN MANY COUNTRIES

 **REMAK** (Czech Republic)

 **Sister companies**

Russia, Ukraine

 **Sales Agencies**

Great Britain, Austria, Poland, Slovakia, Hungary, Latvia, Lithuania, Estonia, Moldova, Ukraine, Belarus, Russia, Armenia, Kazakhstan, Mongolia, Belgium, Denmark, Netherlands, Pakistan, Slovenia, Croatia, Uzbekistan.



WE'RE HERE TO DO GREAT AND RIGHT THINGS

MISSION

We want to create advanced and reliable devices for the benefit of people living and working in modern buildings and we pursue this goal with passion, diligence and courage. We look for novel and effective solutions. Energy economy, operating reliability and user-friendly environment are the basic attributes which we endeavour to include in everything we do. Many thousands REMAK air-handling systems are used on many markets.

We create SOLUTIONS FOR A BETTER CLIMATE.

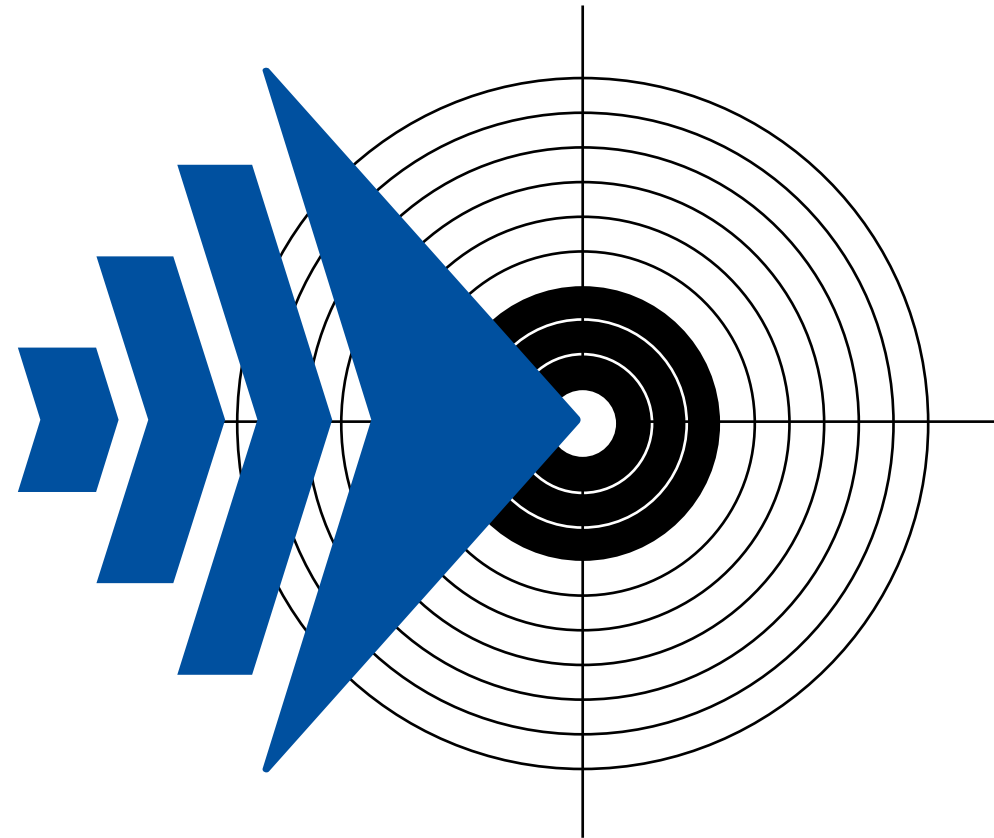
AWARENESS OF RESPONSIBILITY

Our business must be financially stable for us to be a reliable partner. Therefore, we never strive for short-term commercial success at the cost of our partners, company resources or environment.

We see the company potential in our team of employees, who dispose of resources, knowledge and competences focused on accomplishing our mission. We continually expand our know-how, and reinforce and improve the quality of our young and ambitious team.

COOPERATION

We know that the best solutions are achieved by coordinated and open cooperation with our customers, designers, investors and operating organizations. Each partner in this chain has an irreplaceable role, and REMAK wants to be a reliable, initiative and innovative partner.



SOLUTIONS FOR A BETTER CLIMATE

WHO WE ARE

REMAK is a joint-stock company with a sole stockholder, a family holding company, FBB Holding s. r. o.

This holding includes REMAK distribution companies in Russia, Ukraine, which solely distribute the REMAK commercial range.



Jan Měrka, CEO and chairman of the board of directors

REMAK a.s. is a distinguished and socially responsible company in the region, supporting development and the quality of life here.

REMAK a.s. is a partner to many professional associations and institutions in the air-handling field.

QUALITY POLICY

Since 2001, REMAK has consistently applied quality management in accordance with ISO 9001; its efficiency is attested by the CQS Auditor Company every year.

RESPONSIBILITY

Exactng development, design and testing enable us to avoid possible problems as early as in the preparation phase of new products. Advanced production technology and the first-class quality of all components ensures the long service life of our products. This and the high-quality authorised service allow us to provide an extended guarantee up to 5 years.



OUR REPUTATION

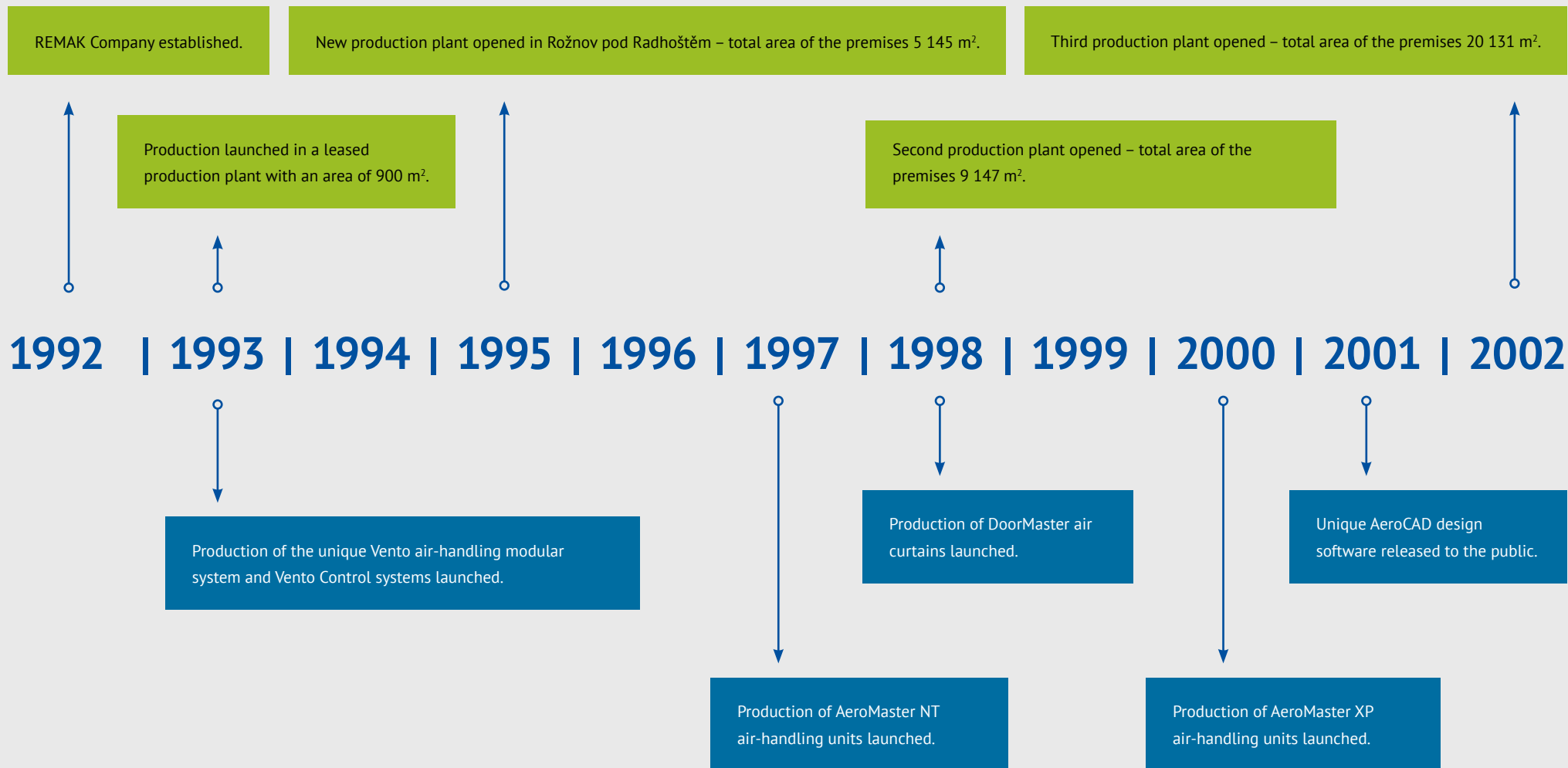
The quality of our products, services and support is appreciated by our customers as well as experts. Along with the pace of technical innovations, it brings professional acknowledgement of all AeroMaster air-handling units and the unique AeroCAD design system.

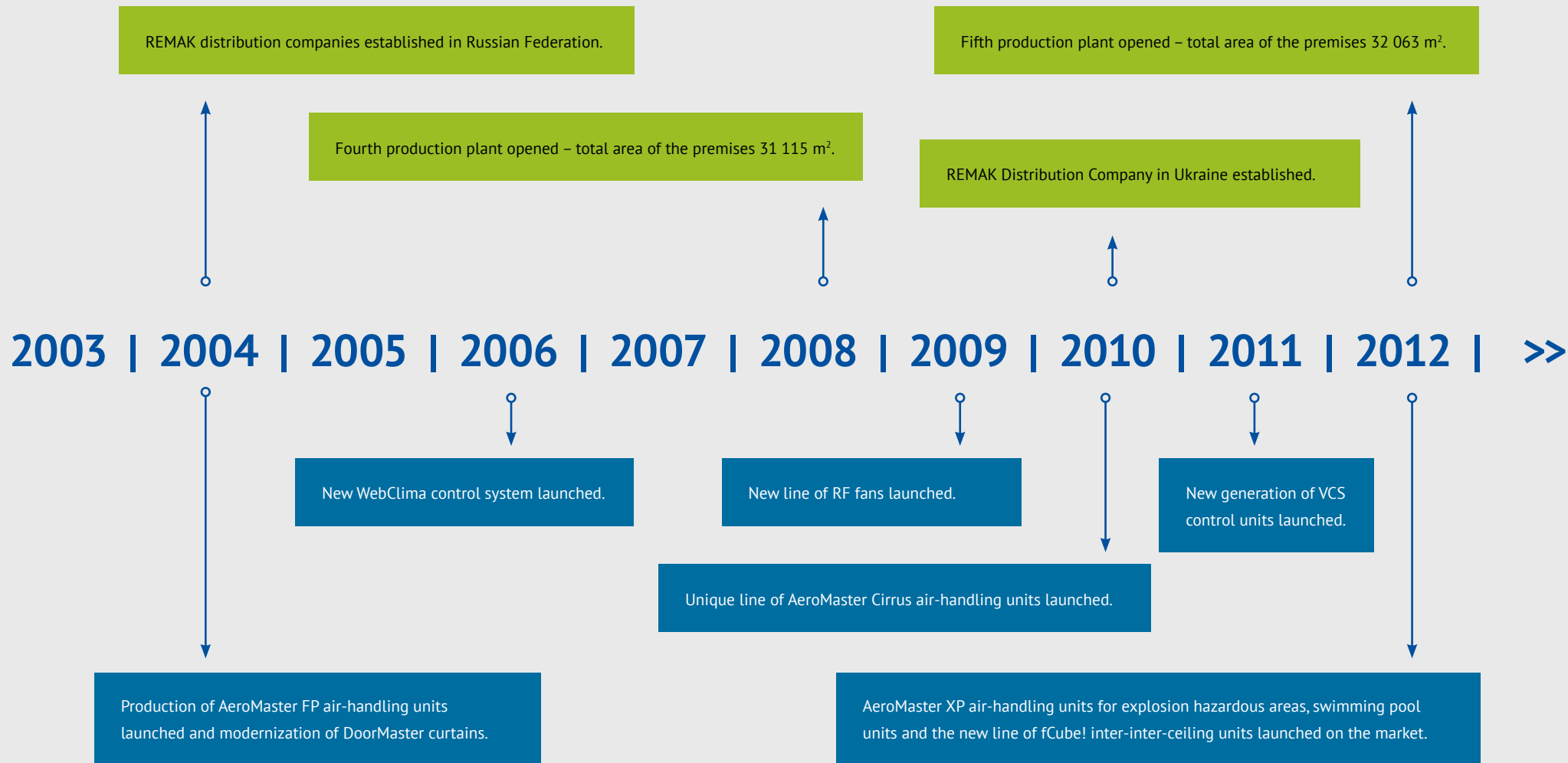


Vít Měrka, Marek Holiček and Jan Měrka Jr., members of the board of directors

TWENTY YEARS OF EXPERIENCE

IMPORTANT MILESTONES IN THE COMPANY'S HISTORY





RESPECT OF PEOPLE AND ENVIRONMENT

When performing our business and activities, REMAK is aware of its responsibility to customers, designers, investors, subcontractors, employees, the public and the environment.

SOCIAL RESPONSIBILITY

We are aware of our responsibility for the social process. Among others, we express our relation to society by long-term support of charitable, cultural and sports activities.

We are convinced that the compatibility of economic, social and environmental goals can be achieved.

We endeavour to make a meaningful contribution to sustainable society and look for partners sharing and developing the same values.

ENVIRONMENT

On a long-term basis, REMAK applies a policy of minimising the environmental impact of our activities. This policy covers not only direct environmental effects, but also environmental effects of our products at our customers.

We are also aware of our moral responsibility. Our products are designed so that they provide maximum efficiency and economy of operation. Simultaneously, we strive to minimise the environmental effects of these products.

- Consistent reduction in energy demands of our products and manufacturing technologies contributes to environmental quality and sustainable development.
- Parts and components comply with all legislative requirements, especially directives of the European Community, the policy of which is to continuously increase environmental protection.
- Materials used in our products can be recycled and disposed of in an environmentally-friendly way once their service life has elapsed.



How we manufacture?

ROŽNOV POD RADHOŠTĚM – EVERYTHING STARTS HERE

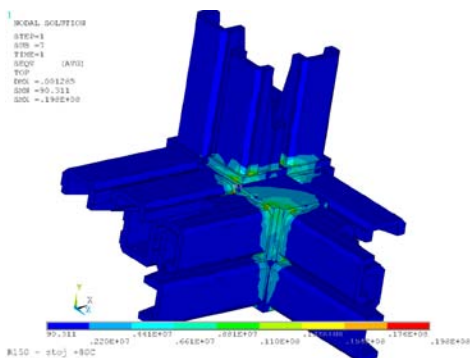




ENTHUSIASTIC DEVELOPMENT

We continuously develop new solutions, check our new products and expand our range with new product lines. Simultaneously, we enhance the products already proven by the market. We do not do product "face-lifting" every 3 years - we enhance our products practically with each delivered order.

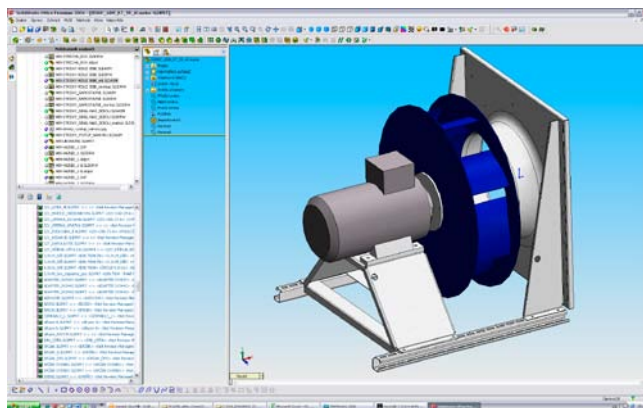
Long-term reliability, functionality, space savings, safety, environment friendliness – these are the benefits of REMAK brand equipment. Our company has experts devoted to every part of the entire product development process – from the initial design, construction and technological solution to the reference prototype and serial production.



MODERN AND EFFECTIVE DESIGN

When designing REMAK devices, the capabilities of virtual engineering (VE) are systematically used along with the SolidWorks CAD system for 3D engineering design, COSMOSFloWorks for analyses of fluid dynamic properties and flow, and COSMOS Works for analyses using the finite element method (FEM). Virtual engineering includes virtual reality, simulations and calculations. Creating the device model in digital form is the first phase of virtual engineering. This model is evaluated by experts, taking into account various points of view, and some simulations and calculations can be performed.

The resulting computer data can be displayed in a simplified form using the AeroCAD configuration program for the designer or customer to get a better idea about the device. We have full control of all the



design details in each phase of the product design and development process. The result of this process is documentation for the prototype as well as for the final series-produced product.

EVERY DETAIL IS TESTED

The accuracy and verification of the declared parameters is our basic principle. We have a specialised measuring and testing laboratory equipped with modern and expensive equipment. Thanks to that, we can perform development testing and measuring for the certification and verification of parameters of launched products.

The testing laboratory for measuring the aerodynamic, electrical and acoustic parameters of fans and other products is equipped with automated collection of all measured data using the LabView® integrated computer system from National Instruments®. The testing laboratory complies with DIN24 163 and AMCA Standard 210-74. We also cooperate with other specialised testing laboratories in the Czech Republic and abroad.

MEASURING PERFORMED IN THE TESTING LABORATORY:

Fan Characteristics

- Air-flow rate/pressure characteristics

Air-handling device pressure loss

- Air pressure loss during air flow

Acoustic values

- Sound power radiated to the outlet, inlet and surroundings

Air-handling unit parameters according to EN 1886

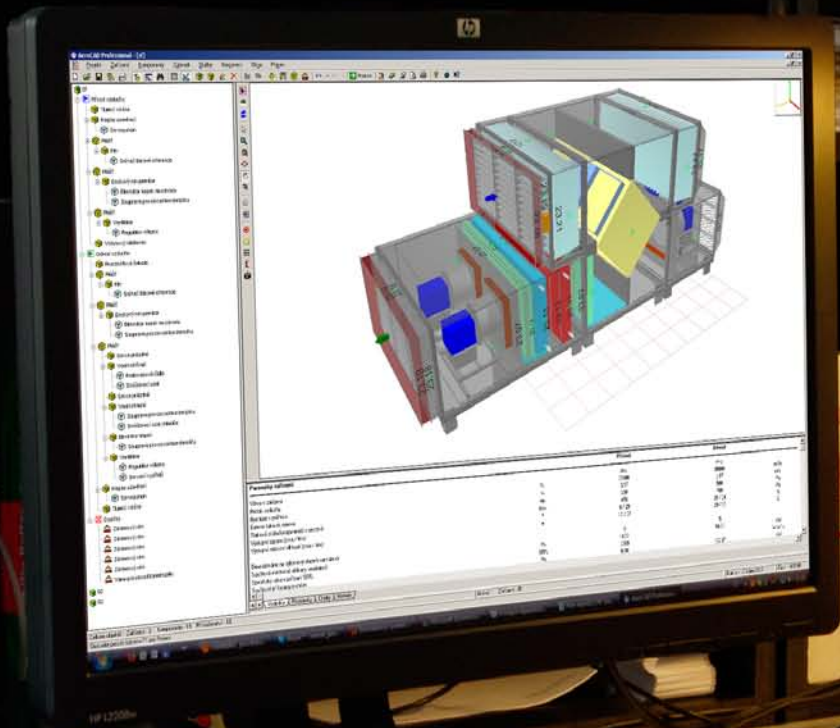
- Mechanical strength
- Casing air leakage
- Filter bypass leakage
- Thermal insulation
- Thermal bridging





- Sestava
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- ▼ Horní rovina
- ▼ Pravá rovina
- ▼ Počátek
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- ▼ Čidla
- ▼ Popisy
- ▼ Rovnice
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- 384_SPOJ_RAM_D<1> (xp06<00
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Model Pohybová studie 1
Vyberte entity, u kterých chcete změnit vzhled



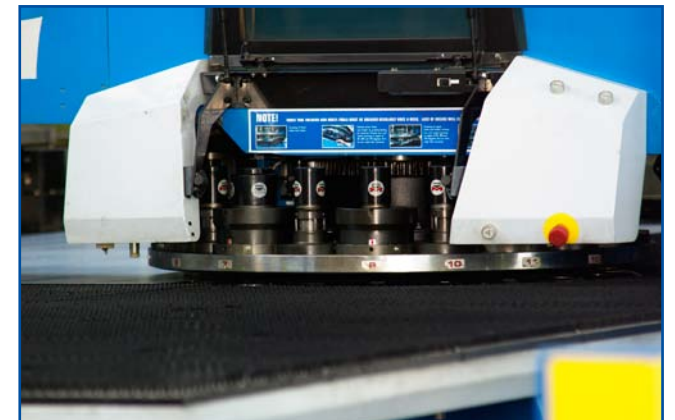
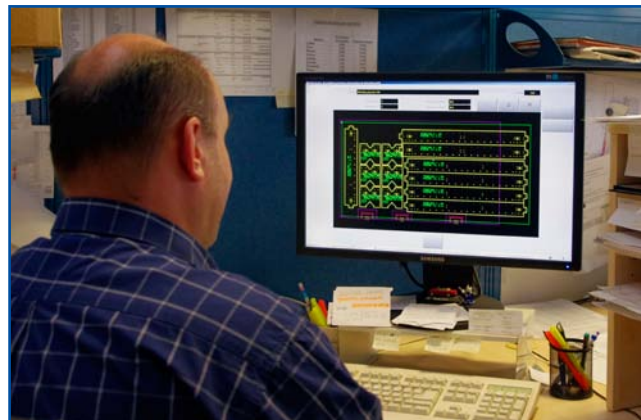
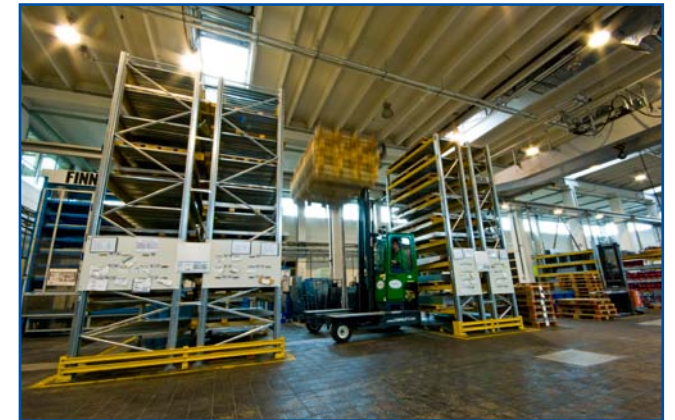
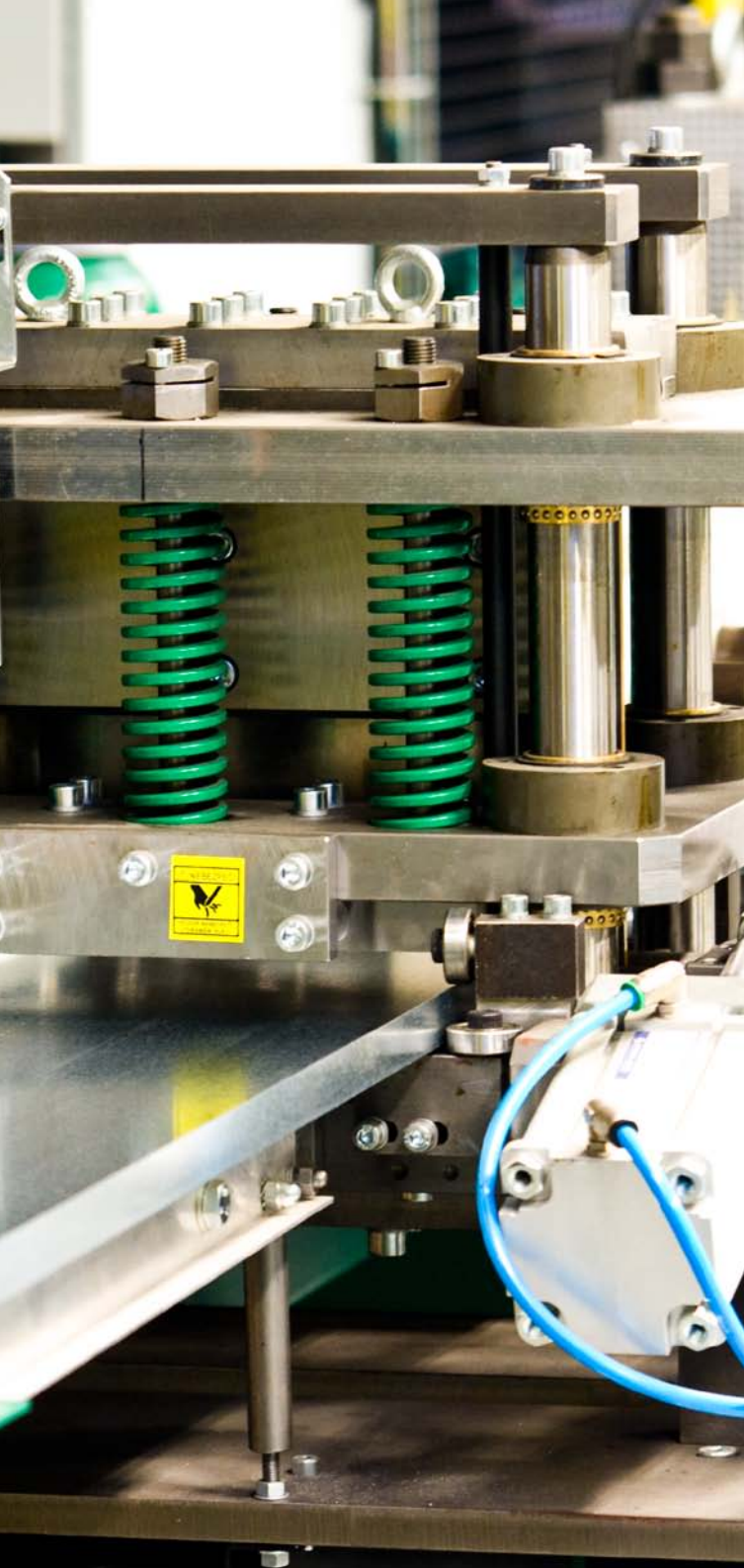
STATE-OF-THE-ART TECHNOLOGY

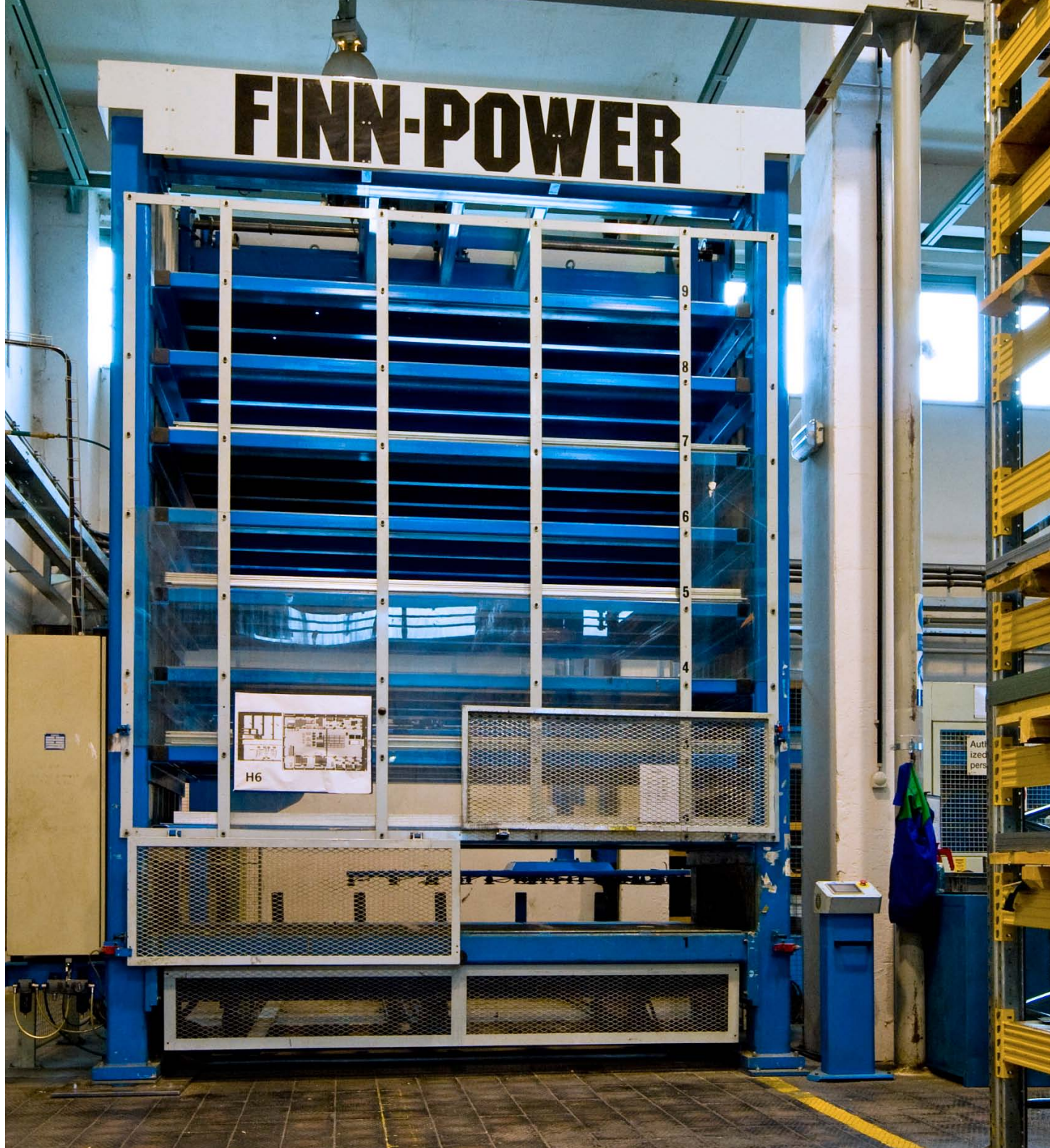
Perfect production management is a key prerequisite for stability, high product quality and delivery reliability when manufacturing thousands of air-handling devices per year.

Production orders are prepared and controlled using the CAM (Computer Aided Manufacturing) method, which is based on the data interconnection of the AeroCAD design program, the powerful Microsoft Dynamics ERP system and numerically controlled machines.

The REMAK manufacturing system is based on accurate numerically controlled equipment, from the fully automated metal sheet tower store through die-cutting presses and multi-axis controlled press brakes to unique automated lines for the production of AeroMaster Cirrus system lamellas. This is all then completed with the calibration work station, welding robots and assembly lines.

The equipment is operated by a team of selected and regularly certified production operators and technicians. This team produces high-quality products in two or three-shift operation.





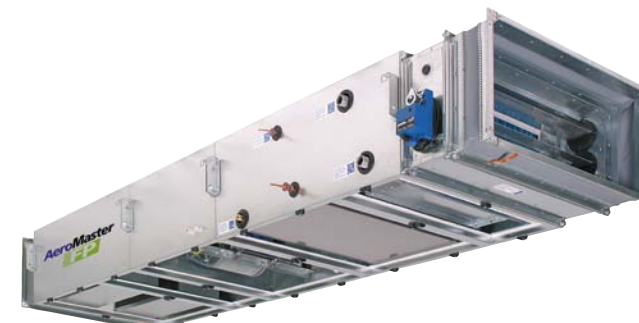
RESULTS OF OUR WORK >>



AEROMASTER CIRRUS AIR-HANDLING UNITS enable you to implement specific applications complying with the strictest demands for environmental cleanliness with an air flow of up to 99,200 m³/h.



AEROMASTER XP MODULAR AIR-HANDLING UNITS are designed for easy to use air-handling and air-conditioning units intended for standard as well as clean area applications with an air flow of up to 28.000 m³/h.



AEROMASTER FP FLAT AIR-HANDLING UNITS are the ideal solution for ventilation and air-conditioning of administrative buildings, restaurants and other premises with an air flow of up to 4.000 m³/h.

PARAMETERS IN ACCORDANCE WITH EN 1886:2008

Mechanical strength	D1 (M)
Casing air leakage	L1 (M)
Filter bypass leakage	< 0,5% (F9)
Thermal insulation	T2
Thermal bridging	TB3/TB2 (from II/2013)
Operating temperature	-40 to +50 °C

PARAMETERS IN ACCORDANCE WITH EN 1886:2008

Mechanical strength	D2 (M)
Casing air leakage	L2 (M)/L1 (M)
Filter bypass leakage	< 0,5% (F9)
Thermal insulation	T3
Thermal bridging	TB3/TB2 (from II/2013)
Operating temperature	-40 to +40 °C

PARAMETERS IN ACCORDANCE WITH EN 1886:2008

Mechanical strength	D1
Casing air leakage	L3
Filter bypass leakage	< 1% (F8)
Thermal insulation	T3
Thermal bridging	TB2
Operating temperature	-40 to +40 °C

>> PRODUCTS OF EUROPEAN QUALITY



VENTO DUCT AIR-HANDLING UNITS represent a modular ventilation and air-conditioning system which is intended for applications with an air flow of up to 10.000 m³/h.



VCS CONTROL UNITS feature comprehensive control, protection and comfortable and user-friendly operation. When developing the control application, we focused on operating savings. And as is usual for us, an excellent price-performance ratio is a matter of course.



RF ROOF FANS with vertical outlet are intended for air exhaust and ventilation of apartments, bathrooms, department stores, community centres, swimming pools, gymnasiums, kitchens and canteens, workshops, storage halls, stables, industrial and production plants, etc.



FCUBE! CEILING VOID UNITS represent fan-coils of the new generation. Their cooling/heating capacities fully meet the demands of modern administrative and hotel buildings. They feature compact dimensions and a unique design.



DOORMASTER C AND D AIR CURTAINS are air-handling devices which separate indoor and outdoor environments using a visually non-disturbing air flow. They are designed for internal installation above entrance doors in all types of buildings with a max. door height of 2.5 m to 3 m.



DOORMASTER P AIR CURTAINS are designed for indoor installations mounted above or beside door openings in industrial buildings. They can be used for doors as long as 4 m or interconnected to larger curtain door openings.

FAST DELIVERIES GUARANTEED



PROFESSIONAL LOGISTICS

- Our own large storage premises enable flexible deliveries in the shortest possible terms.
- We have created an extensive network of transport contractors and logistics centres, which is able to resolve all complex situations that can occur during deliveries to sites, including JUST IN TIME deliveries. Our standardised packaging, documentation, dispatch and control system minimises possible damage and errors.
- Thoroughly trained employees in our warehouses use modern machinery and storage equipment ensuring minimal additional logistics costs for product transport from the production plant to the site.
- Our system of continual quality enhancement of processes is based on continuously searching for enhancements followed by their standardisation.





WE ARE HERE FOR YOU

MARKET AND CUSTOMER SUPPORT

Our philosophy is to be accommodating. We strive to speed up our quotation activities to the maximum so that all your demands will be handled within 24 hours of being received.

Among others, this is possible thanks to the AeroCAD design software, which has been tailored to our products. Thus, any unnecessary delays are eliminated.

Therefore, you can expect qualified and fast help from our team of experts, which is ready to provide you any support at any time.

EXTENDED GUARANTEE UP TO FIVE YEARS

We trust our products. Therefore, we can offer an extended guarantee up to 5 years in addition to the standard guarantee.



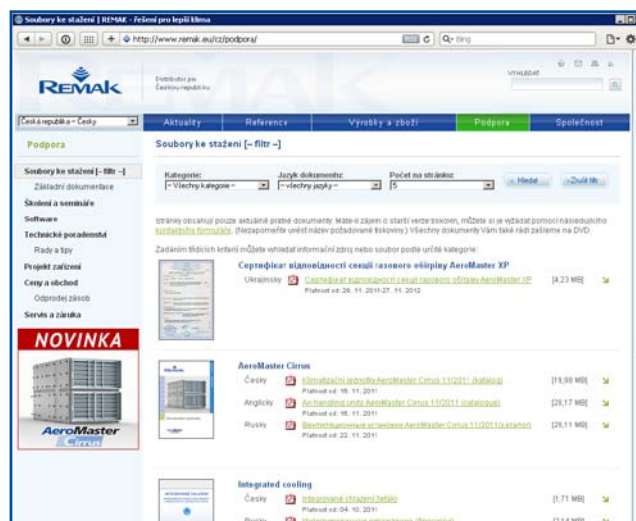
EXTENSIVE TECHNICAL SUPPORT

Customer support is a significant aspect of our daily activities, and includes a comprehensive information service, consulting, individual solutions to technical requirements and assistance when resolving non-standard situations.

Although you can get comprehensive information about our products in the AeroCAD design software and extensive and detailed catalogues, there is still our customer support team of trained experts ready to help you anytime. We know the answers to your questions and understand your problems.

WE ARE HAPPY TO SHARE OUR EXPERIENCE

- We regularly take part in fairs, exhibitions and symposiums.
- We cooperate with technical universities and high schools and thus contribute to the education of future generations of experts.
- We hold regular training sessions accompanied by practical demonstration lectures at our own training centre.



TOGETHER, WE CREATE ONE TEAM





NOVÁ KAROLINA

Ostrava, Czech Republic

Now you know our solutions
for a better climate

INDUSTRY



SEVERSTAL
Cherepovets, Russia



SLOVNAFT
Bratislava, Slovakia



NOVOLIPETSK METALLURGICAL COMBINAT
Lipetsk, Russia



EISSMANN
Nyíregyháza, Hungary



IRU POWER PLANT

Maardu, Estonia

SHOPPING CENTRES



SHOPPING CENTER ARMADA
Orenburg, Russia



SHOPPING CENTER FACHMARKTZENTRUM
Bratislava, Slovakia



BEACONSFIELD SERVICES
Beaconsfield, United Kingdom



SHOPPING CENTER CHODOV
Praha, Czech Republic



SHOPPING CENTER ZLATÉ JABLKO

Zlín, Czech Republic

LABORATORIES



ABBOTT
Praha, Czech Republic



CITY HOSPITAL
Ostrava, Czech Republic



WATER TESTING LABS
Syktyvkar, Russia



FAVEA
Kopřivnice, Czech Republic



ASKOLL
Potvorice, Slovakia

HEALTH SERVICE



REGIONAL PERINATAL CENTER
Rostov-on-Don, Russia



MARKUSOVSKY KÓRHÁZ – SZÜLÉSZETI MŰTŐ
Szombathely, Hungary



FACULTY HOSPITAL
Ostrava, Czech Republic



ST. ANNE'S HOSPITAL
Brno, Czech Republic



HOSPITAL OF ST. CYRIL AND METHODIUS

Bratislava, Slovakia

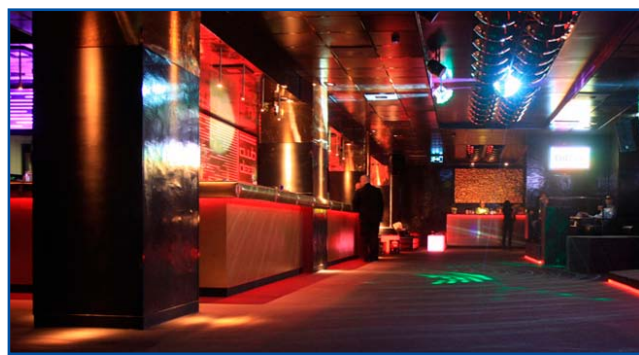
HOTELS AND RESTAURANTS



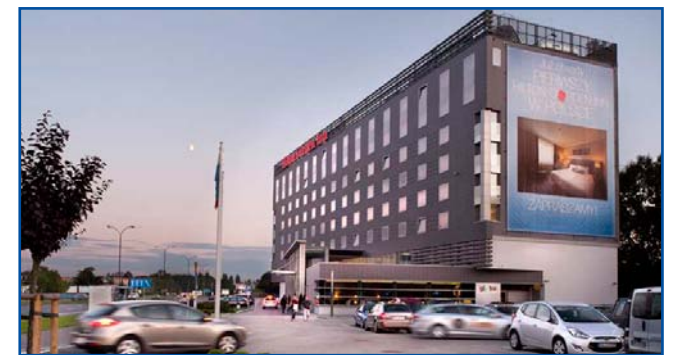
CLUB FIREBALL
Saint Petersburg, Russia



STUDIO L&S
Bratislava, Slovakia



CLUB DEEP
Debrecen, Hungary



HILTON GARDEN INN
Krakow, Poland

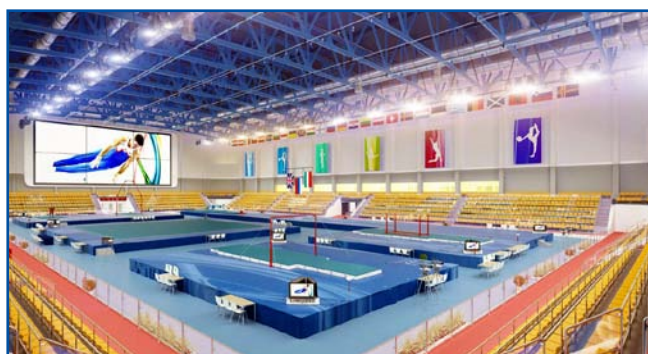


AUGUSTINIAN HOUSE
Luhačovice, Czech Republic

SPORT



KAJOT ARENA
Brno, Czech Republic



GYMNASTICS CENTER
Kazan, Russia



SHERIFF SPORTS COMPLEX
Tiraspol, Moldova



STADION LOKOMOTIV
Moscow, Russia



ČEZ ARENA
Ostrava, Czech Republic

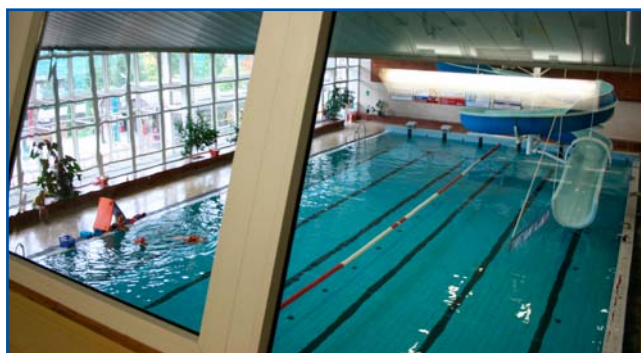
SWIMMING POOLS



MUNICIPAL SWIMMING POOL
Luhačovice, Czech Republic



INDOOR SWIMMING POOL
Severouralsk, Russia



INDOOR SWIMMING POOL
Rožnov pod Radhoštěm, Czech Republic



UNIVERSITY OF TULA POOLS
Tula, Russia



DON POOLS
Rostov-on-Don, Russia

BATHS, SPAS, WELLNESS



SPA HOTELS MIRAMARE
Luhačovice, Czech Republic



SPA HOTEL IMPERIAL
Františkovy Lázně, Czech Republic



SPA COMPLEX GYÉMÁNT
Tatabánya, Hungary



WELLNESS HOTEL BYSTRÁ
Bystrá, Slovakia



SPA HOTEL THERMAL
Karlovy Vary, Czech Republic

CULTURE



NATIONAL PALACE OF CEREMONIES AND HISTORY MUSEUM
Ulaanbaatar, Mongolia



LITHUANIAN NATIONAL LIBRARY
Vilnius, Lithuania



SADAMATEATER
Tartu, Estonia



MINT-HOUSE
Saint Petersburg, Russia



OBSERVATORY AND PLANETARIUM

Brno, Czech Republic

OFFICES



RAINTON BRIDGE BUSINESS PARK
Sunderland, United Kingdom



SPILBK TOWER B
Brno, Czech Republic



NEGUNDO INNOVATION CENTER
Tournai, Belgium



ADMINISTRATION CENTRE
Rostov-on-Don, Russia



VIENAGATE
Bratislava, Slovakia

VIENAGATE
www.vienagata.sk
BYTY A APARTMANY
OBCHODNE PRIESTORY

TRAFIKA

TRANSPORT



EVEKTOR
Kunovice, Czech Republic



RAILWAY STATION TERMINAL AND WAREHOUSE COMPLEX
Irkutsk, Russia



DHL
Yekaterinburg, Russia



LOGISTICS CENTER MAGNIT
Sterlitamak, Russia



ЛАДОЖСКИЙ ВОКЗАЛ

ВОКЗАЛ

LADOGA STATION
Saint Petersburg, Russia

EDUCATION AND SCIENCE



CHILDERIC SCHOOL
London, United Kingdom



CZECH POLAR STATION OF JOHANN GREGOR MENDEL
Antarctica



PALACKY UNIVERSITY
Olomouc, Czech Republic



RAFFLES DESIGN INSTITUT
Ulaanbaatar, Mongolia



MASARYK UNIVERSITY
Brno, Czech Republic

OTHERS



COOLING CENTER DALKIA
Ostrava, Czech Republic



HOUSE OF THE REPUBLIC
Ufa, Russia



MANHATTAN APARTMENT BUILDING
Bratislava, Slovakia



PALACE OF JUSTICE
Moscow, Russia



SUPREME COURT
London, United Kingdom



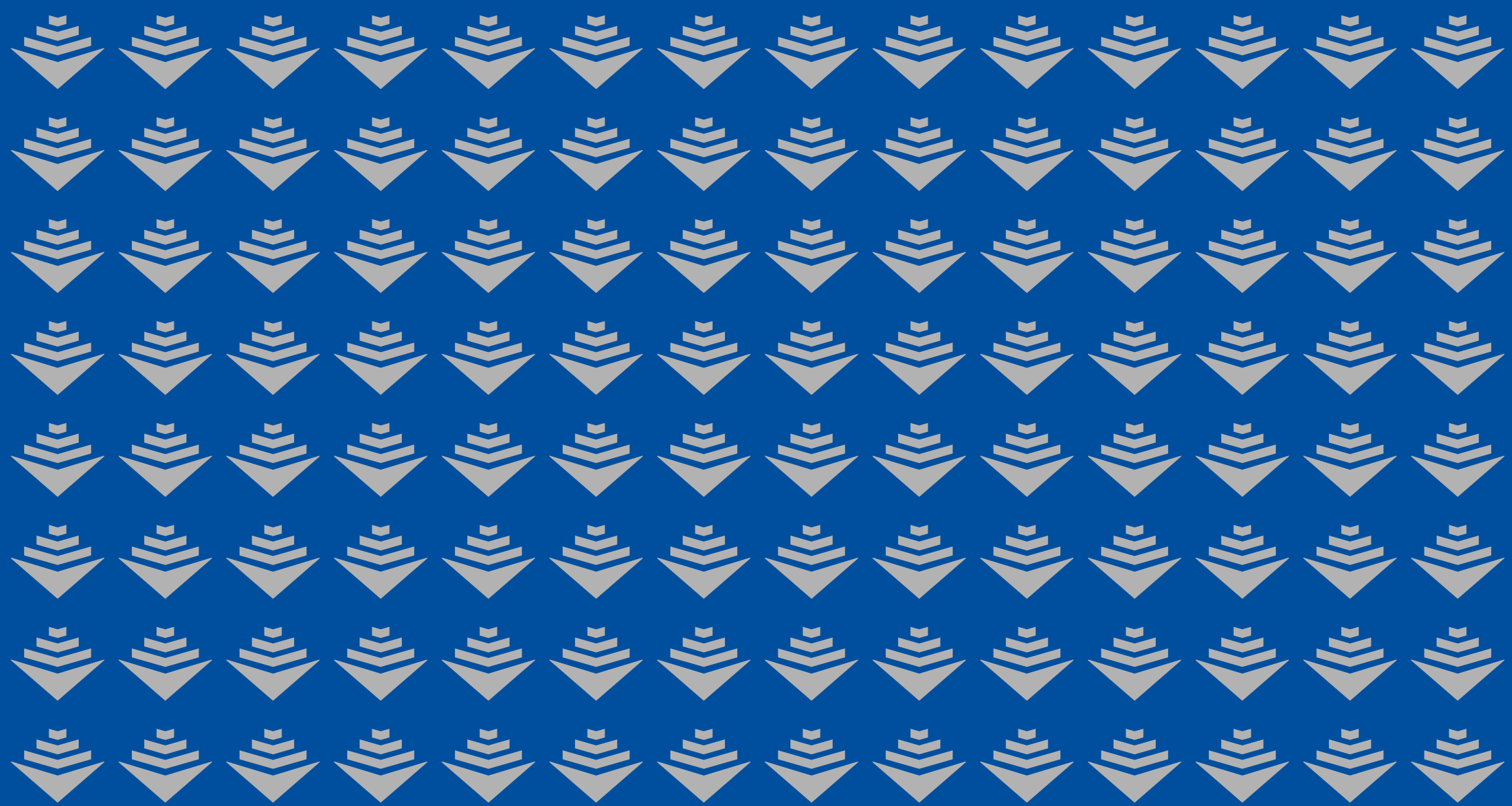
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REMAK A. S.

ZUBERSKÁ 2601
756 61 ROŽNOV POD RADHOŠTĚM
CZECH REPUBLIC

TEL.: +420 571 877 778
FAX: +420 571 877 777

REMAK@REMAK.CZ
WWW.REMAK.EU

55R08050209