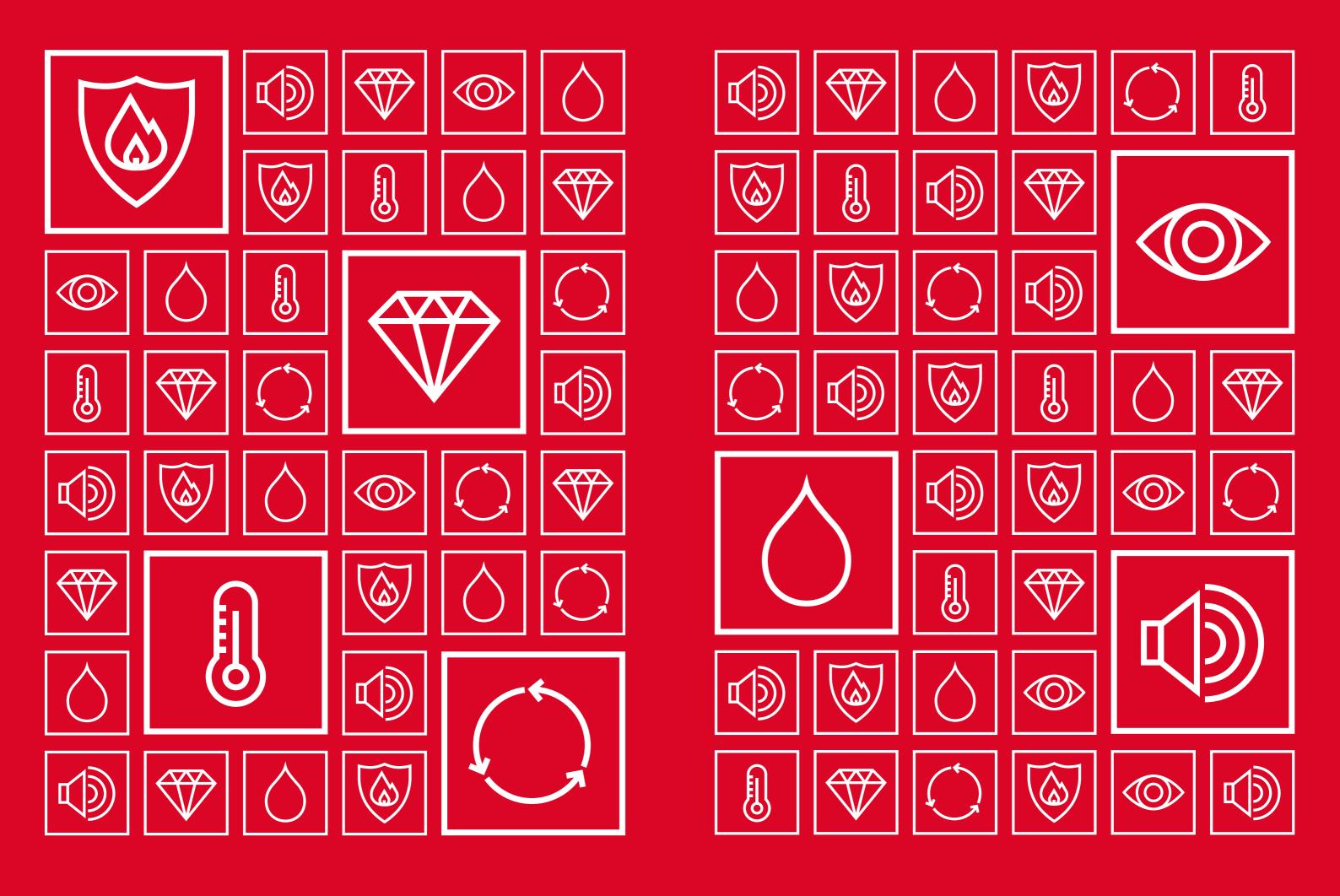


BUILDINGS THAT RESHAPE THE FUTURE







How we can build a better tomorrow

Reports from the UN Intergovernmental Panel on Climate Change (IPCC) make it clear: Climate change is a serious and growing challenge to the environment as we know it, and the building sector has a central role to play in limiting its scope and impact.

From our schools and hospitals to our offices, stores and homes, buildings provide critical infrastructure. They are also the source of roughly 30% of global energy use and emissions.

It's a number that will only grow with the population if we don't improve how we build. According to the IPCC, the building sector has no excuse: it is where the world can get the most carbon emission savings for each dollar spent, 70% more than the next most cost-effective sector.

The best part? Most of the savings can be achieved if we do two things: require new buildings to meet the highest energy efficiency requirements like those set by the Nearly Zero-Energy Building standard and renovate existing buildings to meet the same standards.

From the built environment to horticulture and water management, the ROCKWOOL Group works relentlessly to address some of the most serious challenges facing life on Earth.

By 2025, an estimated 1.8 billion people will live in areas plagued by water scarcity (UNDP, 2006). We have horticultural solutions to help growers produce more and better food using much less water.

And where too much water is the problem, caused by more frequent and severe rainfall, we have water management systems that use sustainable stone wool. Our solutions are specially engineered to be both strong and highly absorbent, enabling excess water to be released slowly without harming valuable infrastructure.

In urban spaces, we are making life more comfortable, reducing the effects of noise pollution on residents through the acoustic capabilities of stone wool; while also protecting families and neighbourhoods from the risk of fire.

All of these efforts have one thing in common: ROCKWOOL Group's commitment to improve people's lives with our products and lower our impact on the environment.

The 7 strengths of stone work relentlessly to shape our tomorrow – reducing emissions, optimising acoustics, improving aesthetics, preventing flooding and growing more food with less water, all through the use of 100% natural, long-lasting and fully recyclable stone wool.

In these 18 case studies, you'll see the breadth of possibilities and applications of the ROCKWOOL Group's products and knowledge. We hope you find them inspiring and will join us in creating a better future for everyone.

ROCKWOOL Group at a glance

The ROCKWOOL Group was the first to start the production of stone wool in Denmark, in 1937. Since then our products have contributed to countless landmark projects around the world.

Our world is developing and ROCKWOOL is helping to shape it. We're finding ever more innovative ways to tackle big global challenges and build the cities of tomorrow – better for the environment and for the people who live in them. All this is made possible because we have released the 7 strengths of stone.

ROCKWOOL has five brands, all working together to achieve our common purpose.



We are the leading supplier of fire resilient stone wool insulation providing solutions for all major application areas, including technical and OEM.



We provide customers with a complete ceiling system offer, combining panels with suspension grid systems and accessories.



We manufacture board material mostly used in ventilated constructions, for façade cladding, roof detailing, soffits and fascias.



We develop innovative products used in a wide range of applications, including friction and water management, tracks, coatings, gaskets and fences.



We are a global leader in the supply of innovative stone wool substrate solutions for the professional horticultural based on Precision Growing principles.



Fire-resilience

Withstand temperatures above 1000°C.



Thermal properties

Save energy by maintaining optimum indoor temperature and climate.



Acoustic capabilities

Block, absorb or enhance sounds.

The

There is something truly remarkable about the natural power of stone.

So far, we have been able to break down this natural power into 7 strengths that are inherent in the versatile properties of stone wool. And over the years we've become experts at applying these strengths to help people around the world create landmark projects and enrich modern living.





Robustness

Increased performance and greater stability with lower costs.



Aesthetics

Match performance with aesthetics.



Water properties

Manage our most precious resource.



Circularity

Reusable and recyclable materials.

Why Renovation?

Buildings offer a more cost-effective pathway to reducing carbon emissions than any other business or industry. In fact, according to the International Renewable Energy Agency (IRENA), insulation is the most cost-effective way of mitigating climate change, because it can contribute to energy savings of over 80%.

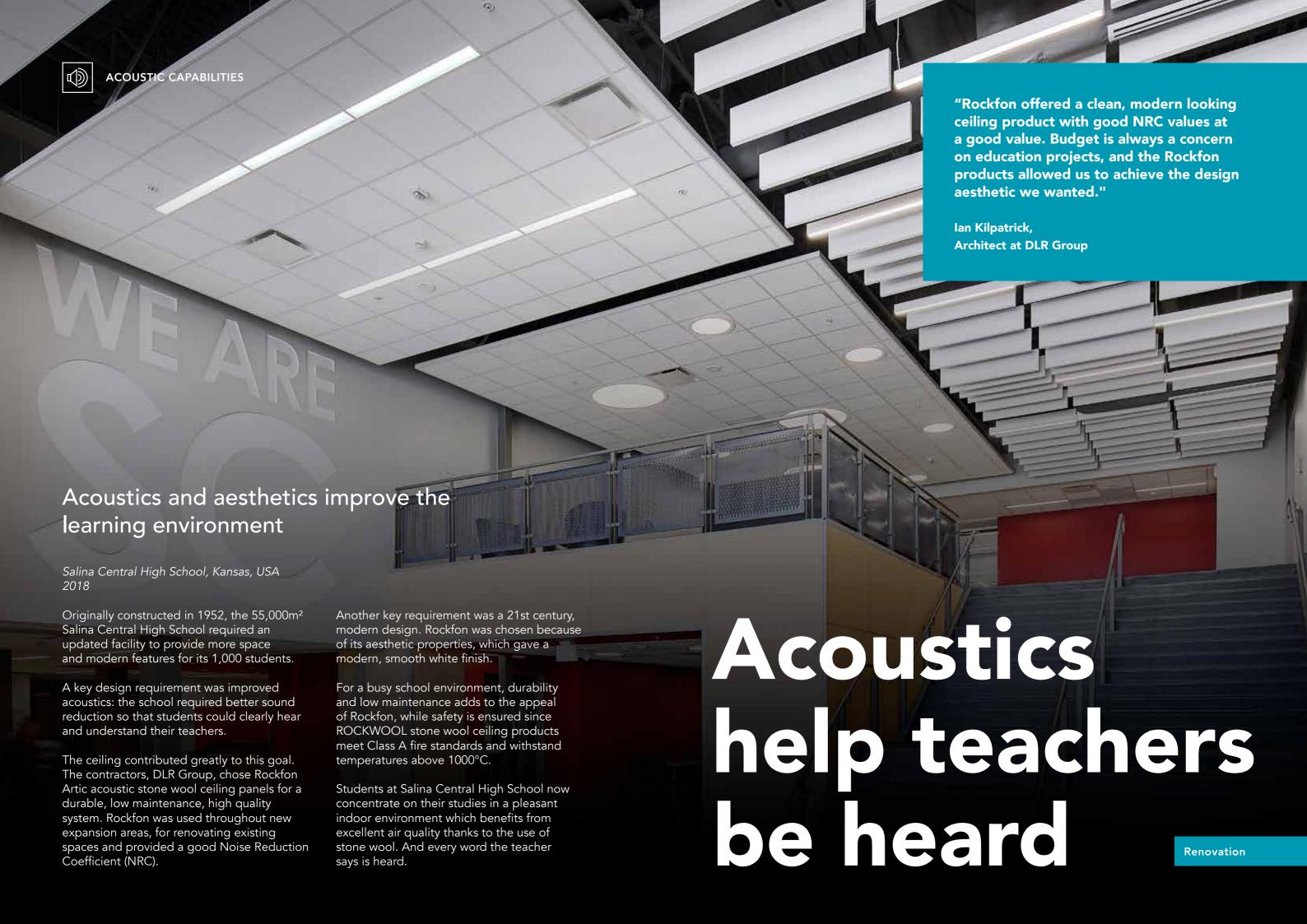
Since more than 50 percent of today's buildings will still be in use in 2050 (75-90% in OECD countries), there are approximately 207 billion square metres of building space which could be renovated, potentially reducing the CO₂ footprint by up to 70 percent. This would play a key role in keeping global temperature rise below the UN target of 1.5°C target, while meeting the EU target of renovating all buildings to nearly zero-energy performance by 2050.

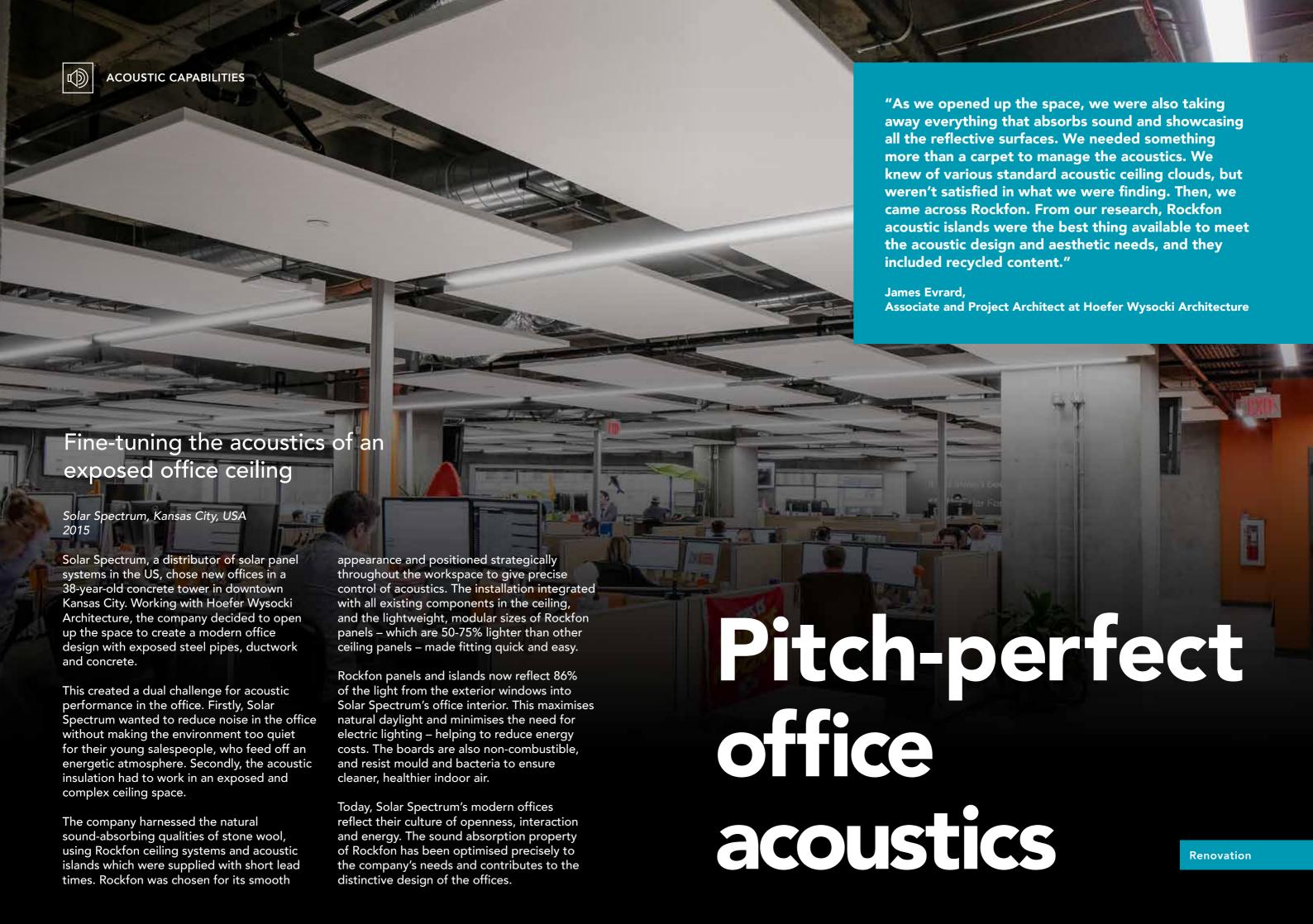
A renovated building can also give you the same benefits as a new building. Renovating with stone wool insulation brings great fire resilience, soundproofing, durability and resistance to damp and mould.

We spend roughly 90% of our lives indoors. Whether it's in the home, at school or the office or in a hospital recovering, people should be able to live in buildings that are comfortable and safe.

¹ The revised Energy Performance of Buildings Directive (2018) requires each Member State to 'establish long term renovation strategies [to transform] existing buildings into nearly zero-energy buildings'.









Open and airy, yet quiet

Acoustics experts showcase noise reduction in their new office

Aercoustics Engineering, Ontario, Canada 2017

Aercoustics Engineering chose to transform a 9,000 square feet former warehouse space into a modern, comfortable and attractive office environment. As an acoustical engineering firm, they wanted to improve the office acoustics while making a design statement to demonstrate their expertise in noise and vibration control.

Since the new office is part of a larger multi-tenant building, the challenge was to create a collaborative office space while ensuring sound privacy and acoustic comfort in meeting rooms and other areas.

Aercoustics Engineering specified Rockfon panels, which optimise acoustics by absorbing sound and have a premium appearance, which suited the office design perfectly. Rockfon panels provide a wide range of options, so different products could be chosen to achieve different goals in different areas of the office.

The panels now help to block and absorb sounds while the lightly textured, white surfaces reflect up to 85% of the available light and distribute natural light, which was perfect for the ceiling system. It means lower electric lighting requirements, and will save energy in the years to come.

Since the Rockfon panel range is made entirely from stone wool, it also delivers high thermal performance, excellent fire safety, and does not encourage mould or bacterial growth – thereby improving indoor air quality in the office and ensuring a healthier working environment.

The creation of a highly efficient, sound absorbing space has been achieved without compromising on aesthetics. Aercoustics Engineering now has a dynamic office environment that matches its culture and demonstrates its technical expertise to clients and visitors.

"We love our space. Rockfon products were one important part of the whole in achieving the overall performance and premium appearance. We're excited that our office not only serves all who work here, but also works as a showcase for our clients to experience the power of acoustically optimised and well-designed spaces."

Steve Titus,
President and CEO at Aercoustics Engineering



Warm and safe for years

Poor insulation and high energy costs were hitting the pockets of residents before refurbishment

Lion Farm Estate, Oldbury, UK 2018 – 2019

Originally built in the 1960's, Lion Farm Estate comprises over 200 homes in three 13-storey residential towers. In high-rise buildings like these, safety is of prime importance. Since their construction, however, all three towers have deteriorated visually and structurally through wear and tear to the building fabric, windows and doors.

In addition, the absence of efficient wall insulation and cladding mean that residents have been fighting a losing battle to keep warm in the face of increasing energy bills – especially those living in fuel poverty.

The renovation project therefore needed to focus on providing increased energy efficiency for occupants, as well as bringing the high-rise towers into the 21st century in general.

To achieve these goals, the contractor, Lovell, chose the thermal properties of RAINSCREEN DUO SLAB which is designed for use in severe weather conditions and has thermal properties which can dramatically reduce heating, cooling and ventilation costs. The solution will more than meet energy efficiency and fire safety requirements, while at the same time creating a more comfortable living environment.

For the residents at Lion Farm, one of the greatest benefits of the refurbishment will be the alleviation of fuel poverty over time. They will live in far more comfortable and affordable homes, with excellent long-term energy efficiency and fire safety.

Since Lovell chose products that are longlasting and protective, Lion Farm will need no additional refurbishment, leaving residents comfortable and safe for years to come.



"This is a major programme of renovation work that will deliver important physical improvements for peoples' homes as well as lasting community benefits in the area. The use of ROCKWOOL insulation and Rockpanel boards will mean low maintenance and an end to fuel poverty for the estate's residents."

Carl Yale,
Regional Refurbishment Director at Lovell



On the right track to safety and noise reduction

"With a vast number of trains and people due to travel through this station, noise reduction was a major factor for this scheme. ROCKWOOL stone wool products were able to deliver a solution that not only helps in mitigating noise, but also provides optimum fire safety performance. This project has been built to comply with exceptionally strict fire and acoustic LUL standards that will serve the needs of Farringdon for many years."

Simon Webber,
Section Manager at BFK
(BAM, Ferrovial and Kier joint constructors)

ACOUSTIC CAPABILITIES

Reducing noise pollution while protecting against fire are key priorities for this busy train station

Farringdon Station, London, UK 2018

Around 140 trains per hour and an estimated 90,000 passengers pass through Farringdon Station every day. It is also part of a massive new Crossrail infrastructure project, which will bring 1.5 million more people within a 45-minute commute of central London.

Crossrail's priority was to design a safe and comfortable space for commuters to pass through. Specifically, the company needed to minimise sound propagation alongside new platforms and through train tunnels to improve the commuting experience. For Farringdon Station, ROCKWOOL Rw3 insulation face slabs were chosen to meet the exceptionally strict acoustic standards of London Underground Limited (LUL).

In addition, Rw3 achieves an A1 fire classification in accordance with BS EN 13501 for non-combustibility.

Being a semi-rigid product, Rw3 also made life easier for the contractors since it was easy to cut and friction-fit alongside platforms and in tunnels.

Modern life can be stressful and busy, especially for commuters using public transport. With the support of ROCKWOOL stone wool, Crossrail has created a more comfortable environment with reduced noise pollution from trains and pedestrian traffic.

Farringdon Station has been future-proofed in terms of fire safety, which is paramount in such a busy and confined public space. In addition, the chosen solution will serve the needs of the station and improve the daily commuting experience for many thousands of passengers, for years to come.



"I am happy to be a part of an organisation, who after all these years, is a world leader in stone wool solutions – continuously focusing on sustainability and helping our customers address many of the big issues of modern living."

Vanja Boyer

ROCKWOOL: The power of stone wool & the passion of our people

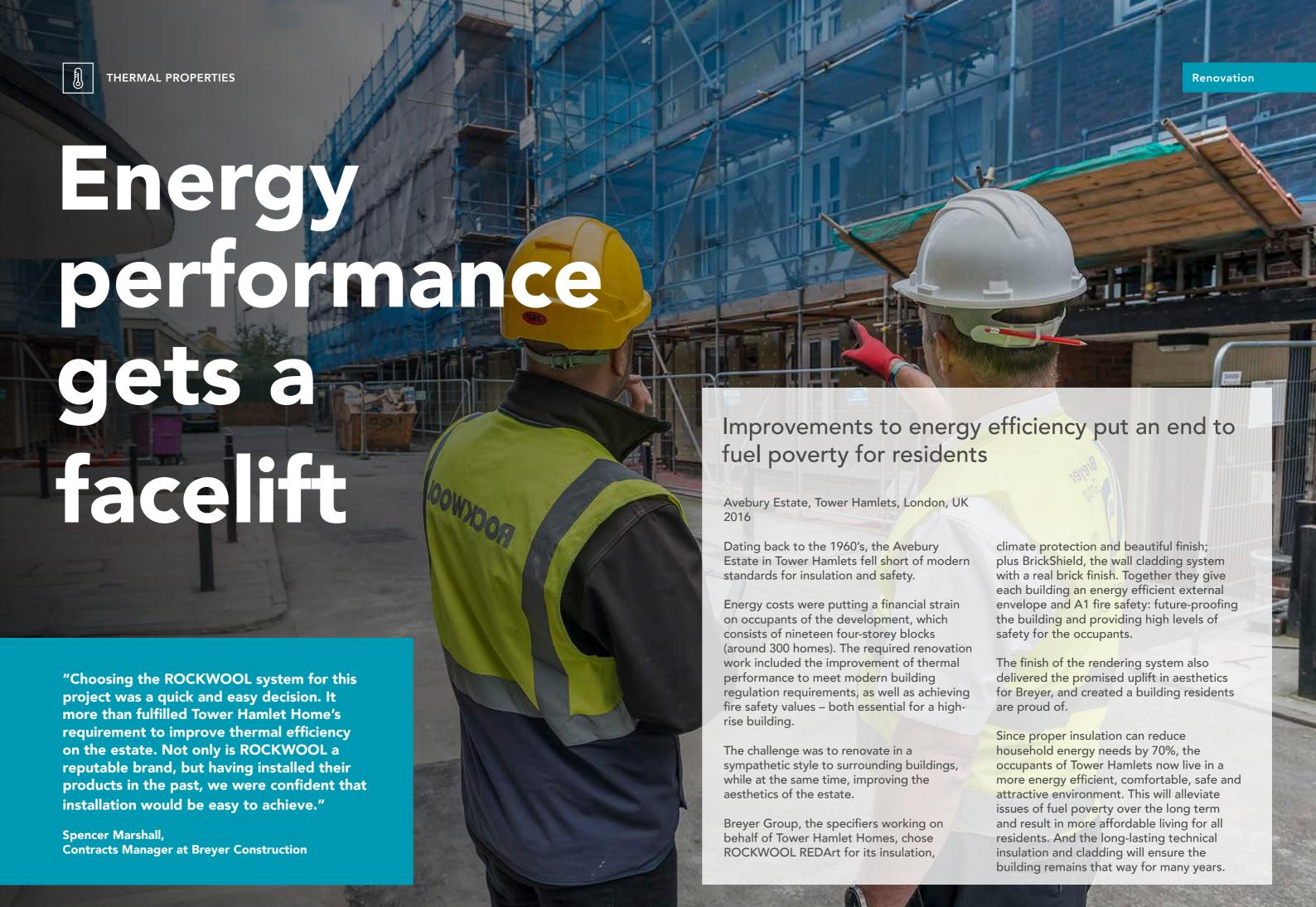
"ROCKWOOL allows me the opportunity to be in contact with people from different countries and to collaborate with colleagues across the globe. I'm thankful to work with such a wonderful team of people who are passionate about offering solutions that will help contribute to ROCKWOOL's future growth. I am happy to be a part of an organisation, who after all these years, is a world leader in stone wool solutions – continuously focusing on sustainability and helping our customers address many of the big issues of modern living."

Vanja Boyer IT People Manager and BRM ROCKWOOL North America

Throughout our history, ROCKWOOL employees have been doing something that looks like magic. Regardless of job title, tenure or location, they make sure that ROCKWOOL excels in transforming

an abundant, renewable natural resource into materials that bring comfort, safety and sustainability to millions of people worldwide. In every department in 39 countries, and with differing skills, backgrounds and experience, the dedication of ROCKWOOL's personnel – 11,000 strong – has shaped how the company thinks and acts.

Vanja Boyer has been happily part of the ROCKWOOL family for a long time as she reflects on how the company has grown and delivers results from around the world. She started her career with ROCKWOOL in January 2009 as part of Global IT – Digital. Vanja has been involved with the company's technological innovations, enhanced digital services, new projects and organisational changes. Most recently, her division participated in an update to create a stronger interface for delivering digital project ideas, projects and services to OPCOs and Group functions.



Tackling tramway vibration

"Noise during nighttime disturbs sleep and spoils the recovery phases of the human body."

Source: Report: Noise and Health, World Health Organization (WHO) 2004, Dr Hildegard Niemann / Dr Christian Maschke

Protecting historic buildings from vibration damages in a busy city

Tramway Line D, Bordeaux, France 2018 – 2019

The development of a modern cable-free tramway network has improved transportation in the Bordeaux metropolitan area considerably. The third phase of the construction work continues, including Line D which will run for 9.8 kilometres and call at 15 stations.

As Line D plays a significant part in supporting Bordeaux's development, great importance was given to protecting the city's historic infrastructure from vibration damage, as well as ensuring comfortable living conditions for residents near the tramway.

The joint constructors, Ingérop and Systra, chose a vibration isolation system from railway technology specialists Rockdelta, part of the ROCKWOOL Group.

Rockdelta RX anti-vibration mats reduce ground-borne vibrations and noise from

floating slab track systems. And being stone wool based, not only do they protect from unwanted noise but they are exceptionally robust and have a long, maintenance-free life which will reduce costs.

Because traffic had to be stopped to allow for construction, fast installation was imperative for this project. Fortunately, Rockdelta mats are easy to handle and very quick to cut into different sizes and shapes, which helped keep this busy city moving.

Using Rockdelta mats has protected the city's rail-side buildings from vibration damages for the long-term, and has given residents complete peace of mind. It's an example of how the use of stone wool can overcome complex transportation challenges and contribute to a quieter and more sustainable future.

Transforming social housing using attractive façades that look like wood, yet have the power of stone

Square Pasteur, La Madeleine, France 2017

Square Pasteur was a refurbishment in northern France of 150 social housing units within four buildings. The aim of the project was to bring a new, more contemporary and serene identity to the buildings and inspire their residents.

The architect, Hélène Richet, believed façades with a wooden appearance would be perfect for a green urban environment. However, by its nature, wood is flammable, needs regular maintenance and has a limited life before it requires costly renewal.

The discovery of Rockpanel Woods became the inspiration for Hélène, and overcame concerns about combustibility and longevity. These boards are almost perfect replicas of wood, yet with all the long-lasting benefits inherent in a stone façade. Since they are manufactured from natural basalt, the

Rockpanel Woods boards provide high fire-resistance properties, as well as being extremely durable, weather resistant and sustainable.

Square Pasteur now meets the highest fire safety requirements available, thanks to the pleasing appearance of natural wood. Residents also live in greater comfort due to the inherent insulation properties of Rockpanel Woods which will reduce energy bills into the future. The aesthetic appeal of the buildings has been achieved with no compromise at all on performance.

Finally, the improved environment has increased the quality of life and living conditions for hundreds of residents, who now see the benefits of combining the strengths of stone with the natural warmth of wood. Simply put, it is the best of both worlds.

Just like wood. Only better

"From an architectural point of view, the aim of the project was to offer the occupants a new identity. It was necessary to infuse a new, more contemporary and serene spirit to the inhabitants as well as give the additional comfort of insulation. For these reasons, the facades have been completely rethought, as well as the development of green spaces. Now the inhabitants have a residential site with greater comfort and optimised thermal performance."

Hélène Richet, Associate Architect at Atlante Architectes





The school of colour

A colourful, playful façade improves aesthetics and brightens the day for students

Betty-Greif School, Pfarrkirchen, Bavaria 2017

By 2017, the Betty-Greif school building in Bavaria had reached its maximum capacity of 150 pupils. The complex needed to be entirely renovated and extended by 450m².

Since the school caters for students who have special educational needs, its principals decided that a vibrant, child-friendly façade would be appropriate and appealing to students, and help to create an enjoyable learning environment. The school also wanted a solution that would not require costly long-term maintenance.

COPLAN AG, an engineering firm from Eggenfelden, chose Rockpanel boards for their wide range of colours to meet the design concept. Additional Rockpanel product benefits were board-lightness, easiness of installation and sustainability – being made from recyclable stone wool. The façade now consists of three different shades of green – fitted irregularly to create a varied, vivid and creative façade.

To meet the need for low maintenance costs, the boards were given a special protective finish which increases the 'self-cleaning' power of the boards. Even graffiti, an issue in some schools, can be easily removed with a special detergent. Safety is paramount in schools, especially protecting against the risk of fire, so Rockpanel boards were the perfect choice since they have a high fire classification. Because they are made of stone wool, they can withstand temperatures above 1000°C, and in the event of a fire, the boards do not cause the fire to spread because no combustible parts can peel or drop off.

The project has dramatically uplifted the aesthetic appearance of the building, and students are now even prouder to learn there. Since the boards are acknowledged to have a lifetime of 60 years by the Building Research Establishment (BRE), the project is not only cost effective but will look fresh and beautiful for years to come.

"As the Rockpanel façade boards are available in virtually every RAL colour and are very easy to work with, the façades could be installed exactly as we planned."

Dietmar Wöhler, Architect at COPLAN AG, Eggenfelden



"Many friends have been made over the years and I can attribute those friendships to a long and interesting journey with ROCKWOOL"

Ann Publicover

ROCKWOOL: The power of stone wool & the passion of our people

"ROCKWOOL would not be here today without the dedication of its employees and a firm commitment to growth and quality products that customers receive every day."

Ann Publicover
Quality Control Lead Hand
ROCKWOOL North America

While the worldwide expansion of the ROCKWOOL Group continues, the company has flourished for 80 years for two essential reasons: we are committed to unlocking the strengths of stone to enrich modern living, and we recognize that the passion of our people makes this goal possible.

Ann Publicover began her "wonderful journey" with ROCKWOOL in 1990. She says

"I can still clearly remember my first day on the line...and oh what a day it was! Since that day, I have never looked back, and ROCKWOOL North America became not only my employer, but also like a family in the extended sense."

Ann acknowledges "It's hard to believe that once a small factory starting up in the mid 80's has turned into a profitable company that employs over 200 people and is known North America-wide!

When the company turned 80, I found some old pictures. Most employees are still a part of ROCKWOOL North America today. Some from the pictures have left this earth, but their standards and work ethics still live on today."

Innovative vertical and horizonal fire protection for three high-rise buildings

Intelligent Quarters, Hamburg, Germany 2017 – 2018

Intelligent Quarters is in the middle of Hamburg's HafenCity on the banks of the river Elbe. It is comprised of a 70-metre office tower and two adjoining buildings of 46 apartments, all with restaurants, cafes and shops on ground floors.

Architects Störmer Murphy and Partners decided that the connecting element for the three structures should be an identical contemporary façade using non-combustible stone wool, as fire safety was the key requirement for a busy, mixed-use high-rise building.

Due to the height of the buildings, approximately 1,000 metres of fire barriers had to be installed horizontally on the façade and vertically around the staircase cores to meet fire regulations. Since the façade was ventilated, the architect chose Fixrock: the

innovative ROCKWOOL stone wool fire barrier system which retains air flow while giving maximum fire protection as it withstands temperatures above 1000°C.

Compared to traditional steel sheets, this solution was much easier and faster to fix: the insulation was lightweight, simple to cut and could be used to meet different fire wall thickness requirements.

Thanks to the use of A1 fire rated stone wool, the construction of the office and residential buildings of Intelligent Quarters now provides maximum safety and fire protection for workers and residents, for the lifetime of the building. Intelligent Quarters now also meets the requirements for a German Sustainable Building Council (DGNB) certificate.

"The ROCKWOOL product solution is much easier to handle and assemble than the usual steel fire barrier constructions. It is also more economical than steel, since the cutting of many hundreds of metres of fire bars could be achieved more quickly."

Klaus, Installer at Degen + Rogowski GmbH

Stone wool reaches new heights

The challenge of improving fire safety at 2,950 metres called for stone wool's unique properties

Bergstation, Zugspitze, Germany 2017

Since 1963, the Eibsee Cable Car has taken up to 500,000 annual visitors to the summit of Germany's highest mountain, Zugspitze. However, after many years of plans to replace it, in 2017 extensive renovation and extension work for the 2,950-metre-high cable car station finally took place.

The conversion included a fire protection upgrade to existing steel construction components, and the challenge of delivering and installing materials on a mountain top made the choice of insulation crucial for Hasenauer Architekten – the architects for the project.

It quickly became clear that insulation boards made from stone wool were the natural choice since they are non-flammable, can withstand temperatures above 1000°C and work to contain fire and its spread. What's more, they are very light to transport and can be cut easily and precisely on-site. This was an important requirement since the stee components in need of fire protection were not always consistent in size and shape.

An area of around 1,200m² has now been given excellent fire protection using Conlit Steel Protect Alu boards, which were brought in by cable car to the mountain and unloaded by cranes. The work of fixing the boards took place amongst hundreds of visitors per day, so the high speed of installation was a huge advantage. The low weight advantage made fitting boards overhead easier too.

Stone wool is often used to protect combustible elements and steel structures against fires. ROCKWOOL stone wool is a natural fire barrier.



Overcoming aircraft noise

Sound insulation is a must when you're on a flight path

Berlin-Blankenfelde homeowners, Berlin, Germany 2017 – 2018

With around 33.3 million passengers in 2017, Berlin is Germany's third-largest airport location. To cater for future capacity, a new international airport called Berlin Brandenburg Airport (BER) is under construction.

Since the flight paths of the still unfinished airport are certain to affect local residents, many are making preparations to lower the effects of the increased noise pollution.

Four families from Berlin-Blankenfelde, which is only a few kilometres away from the runways of BER, approached a master roofer in the region, Hartmut Quappe, to explore ways to improve the sound insulation of their homes.

Soundproofing of their pitched roofs was top of the agenda. The master roofer

proposed high density insulation boards made from ROCKWOOL stone wool. These provide confirmed on-site sound insulation of up to 52 dB, and in most cases, even higher values.

With their newly insulated roofs in place, residents are now benefiting from much improved acoustic protection, which will lower aircraft noise from flights crossing just a few hundred metres overhead. In addition, the energy efficient rafter insulation system has provided excellent thermal insulation and has cut heating costs by up to 30%.

In the long term, these families have made a future-proof investment that will not only block out unwanted noise but add better energy performance, a pleasant year-round indoor climate and sustainability to their homes. And not least, they will sleep better despite living close to an airport. "From the airport Schönefeld, or passing cars, you hear almost nothing. And I'm also very confident for the upcoming BER air traffic. In the summer, a pleasant indoor climate prevails in our bedroom even at high outside temperatures. And last winter, the interior temperature was around 16°C without heating – just right for me to sleep."

Annelies and Joachim, Residents at Berlin-Blankenfelde



Jen Deelstra

ROCKWOOL: The power of stone wool & the passion of our people

"As a former Marine Engineer, I was hired by ROCKWOOL Netherlands in January 1995 as a manager in the technical department of Rockfon.

I clearly recall the instance of my first modification of machinery in the Rockfon department. I got into a collision with purchase telling me: 'You are far too expensive with your ideas and design. We think three years ahead. How long do you think this project must last?' I answered purchase that I was thinking 100,000 running hours ahead.

Eventually we settled the discussion in between – by creating quality machinery that lasts for 50,000 running hours – 'for a few pennies more' as I stated. And this promise on both sides made me stay with ROCKWOOL."

Jen Deelstra CIT ROCKWOOL CWE

The ROCKWOOL Group has endured for eight decades for two essential reasons: we are committed to unlocking the strengths of stone to enrich modern living, and we recognise that the passion of our people makes this goal possible. Over the years we've become experts at applying the power of stone to help people around the world create landmark projects and enrich modern living.

Jen Deelstra has spent 23 years with ROCKWOOL and is now an Engineer in the Continuous Improvement Team. He admits that "ROCKWOOL and I are still

happy with each other." He also recalls another critical event in his history with the company involving a challenging ROCKWOOL production unit.

"Ten months after my arrival at ROCKWOOL I was asked to move from Rockfon production to the Line 7/Rockfibres combination (this was a line in need of technical improvement and increased profitability). During my first working day at Line 7, a frustrated mechanic came to me and spoke the following words: 'I have had thirteen bosses in twelve years on this line. How long do you think you are going to stay here?'

I answered: 'About ten months I guess, so let's not waste any time and get started!'

I stayed a bit longer than 10 months... It took me over 18 years before handing over a totally renewed production-unit consisting of Line 7, with now Rockfibres lines 1+2. In those years, I had gained the reputation of 'The Expensive One'.

Interestingly, the mechanic who confronted me became my dearest colleague, and worked with me through all those years. A lot of machinery installed in the early years has already passed 100,000 running hours. And see how profitable the Fibres Unit is today! Now consisting of Line 7, Rockfibres 1+2, and Rockpanel, this is a unique combination of production lines and products within ROCKWOOL."



FIRE RESILIENCE

A historic building required ultimate safety and comfort

Europejski Hotel, Warsaw, Poland 2013 – 2018

Raffles Europejski Warsaw, commonly known as Hotel Europejski, was originally opened in 1857. It is now one of the most distinctive buildings in Poland. After five years of top to bottom renovation, its 109,000m² of space including 106 hotel rooms, 3,000m² of luxurious retail space and 7,000m² of offices have been restored to their former glory.

For SUD Architects, the focus of this huge renovation was the future safety and comfort of guests throughout the building.

ROCKWOOL Superrock, Toprock Super and Rockfon were chosen as the perfect materials for insulating the roof and ceilings of this historic building. The main reason is they are made of stone wool, which can withstand temperatures above 1000°C. This prevents fire from spreading onto subsequent floors, increasing the time available for evacuating quests while also protecting the building.

Reducing noise was also fundamental to the renovation of such a large building in a city centre location. Stone wool provides perfect insulation against interior sounds and exterior traffic noise, which increases the comfort of guests and contributes to the overall feeling of luxury in the hotel.

Hotel Europejski will also benefit from energy savings for decades to come thanks to the inherent insulation properties of ROCKWOOL products, which retain their thermal properties for at least 60 years, and have excellent dimensional stability.

While the stone wool will go unnoticed by the many thousands of guests and employees at Hotel Europejski, its presence ensures that they will be protected from the risk of fire and can relax and work in a building that's both peaceful and luxurious.

"Our goal was to restore the former glory to the icon of Warsaw, to make it a showcase of the capital and what's best in Poland for Varsovians and guests from around the world."

Julien Barbotin-Larrieu, President at H.E.S.A.



2018-19

At the ROCKWOOL Group, we're committed to enriching the lives of everyone who experiences our solutions. Our expertise is perfectly suited to tackle many of today's biggest sustainability and development challenges, from energy consumption and noise pollution, to fire-resilience, water scarcity and flooding. Our range of products reflect the diverse needs of the world, while supporting our stakeholders in reducing their own carbon footprint.

Stone wool is a versatile material and forms the basis of all our businesses. With over 11,000 passionate colleagues in 39 countries, we're the world leader in stone wool solutions, from building insulation to acoustic ceilings; external cladding systems to horticultural solutions; engineered fibres for industrial use to insulation for the process industry – as well as marine and offshore.

