



CAPABILITY STATEMENT

baar

INNOVATIVE ENGINEERING
Next-Gen Environmental Solutions

COMPANY OVERVIEW

BAAR Solutions Pty Ltd (BAAR Solutions) is an Australian firm that connects Australian companies with top European manufacturers of construction products. As a result, we can offer a wide range of products to address your noise barrier and construction needs.

We are proud to be the exclusive distributors of *Kohlhauer GmbH* noise barrier systems (noise walls, sound barriers). *Kohlhauer* is one of the leading European companies when it comes to traffic and industrial noise protection. *(Pictured below.)*

We are also the sole distributor of *Global One* products, which include state-of-the-art, energy-efficient doors, windows and façade cladding. *(Pictured right.)*

Launched by founder Kenan Buturovic in 2021, BAAR Solutions was designed to reflect the skillset. Kenan studied architecture at the University of Sarajevo and has been practicing noise protection and managing energy construction projects for two decades.

Let our architectural and engineering experience help you integrate these innovative construction materials into your new and existing projects.



The world's most exciting construction cladding portals and noise barrier systems are now available to Australia. Let us deliver them to your construction site.

COMPANY DETAILS

📍 15A Lancaster Street, Bentleigh East, VIC 3165

☎ 0423 221 373

🌐 baar.com.au

✉ info@baar.com.au

ABN 82 651 530 988

OUR PURPOSE


**Road systems are noisy.
Let BAAR specialists put their
noise solutions to work for you.
We don't build walls, we provide
next-generation high-tech products.**

As Australia moves closer to a carbon-neutral future, BAAR Solutions believes that industrial building materials are an integral part of that environmental solution.

As a result, we've begun introducing our know-how towards the production of state-of-the-art construction materials which are both forward-thinking and environmentally efficient.

We're inspired by Kohlhauer roadway noise barrier products which are both modern and environmentally friendly and Global One building materials, which are inventive and energy efficient.

Our designers used these construction components in Europe and saw first-hand how they performed; when we arrived in Australia, we realised we could fill a void and introduced these innovative construction materials here hoping to serve the built environment domestically.



**Right now, one of our noise barrier systems
is supplying solar power to a Montessori kindy,
and we think that's too cool for school!**

OUR PRODUCTS

NOISE BARRIERS

For over 30 years, our partner, Kohlhauer GmbH, has been manufacturing highway barrier systems, which are designed to absorb the noises generated by a variety of traffic conditions. As the engineering improved, the designers also found ways to improve upon the barrier's appearance and health benefits.

Here in Australia, BAAR Solutions offers six of Kohlhauer's excellent noise barrier solutions and soon, these systems will be manufactured domestically! That's right! Europe's best noise barrier systems will soon carry the "Made in Australia" logo!



Elegant noise barriers that drink in the noise and quiet the sounds of highway traffic. Let us help quiet your mind.



KOHLHAUER PLANTA®

This noise barrier is designed to drink traffic noises with or without the plantings. Adding green vegetation will certainly reduce the carbon emissions along the highway.



KOHLHAUER SCORSA®

This functional and modular transparent highway wall system is designed to allow drivers and others to take in the scenery.



KOHLHAUER VOLTA®

This dual-purpose noise barrier also has photovoltaic solar panels, which convert light to energy. Imagine the possibilities!



KOHLHAUER ALUMNA®

This noise barrier system mixes an environmentally friendly design with a modern appearance.



KOHLHAUER ALUFERA®

These noise-reducing systems combine a sharp appearance with larger sound-muting panels.



KOHLHAUER LIGNA®

This noise barrier is made of treated pinewood (other wood options available upon request), which is an excellent sound absorbing surface.

OUR PRODUCTS

DOORS AND WINDOWS

Our energy-efficient doors and windows are manufactured by Global One, a company with a long history of state-of-the-art façade engineering.

From design to delivery, BAAR engineers are there orchestrating the production process. And, of course, we'll be there when the time comes to install these high-end construction finishes. BAAR Solutions has the pipeline to high-end aluminium, PVC and steel windows and doors.

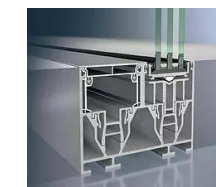


Windows and doors are energy pressure points for any dwelling and/or workspace. Confidently, add our energy-efficient windows and doors to the façade of your new structure.



ENERGY EFFICIENT WINDOWS

Our windows are made of aluminium, PVC or steel and are engineered to be draft-free and energy efficient.



ENERGY EFFICIENT DOORS

Made from aluminium, PVC or steel, our doors are airtight, handsome and secure.

CASE STUDY

EURO HIGHWAY BARRIERS

BAAR steps in and helps a prime contractor with complex highway noise barrier installation.

PROJECT STATS AT A GLANCE

43% BAAR reduced the number of barriers

42% BAAR reduced the construction costs

1/3 BAAR completed the installation in one-third of the time



One of Europe's prime road contractors, approached us to deliver a design-and-construct contract for execution of noise barriers along 37km of new motorway stretching through the Balkan states.

At the time, the prime contractor's roadwork was advancing nicely but it was having troubles finding an affordable and effective noise barrier solution. It had also just fired its subcontractor.

That's when BAAR was brought in.

BAAR stepped in quickly because it had a history installing noise barriers across Europe. Our lead engineer, Kenan Buturovic, also determined that a modular system would reduce the installation timetable, last longer and be easier to maintain. We also thought our product would be more attractive.

PAIN POINTS

- ✗ Inconsistencies between the design and conditions on the ground (site)
- ✗ Over-estimated number and the area of noise barriers designed
- ✗ Too expensive foundation system
- ✗ Complicated, time-consuming system (wood fibre and cement noise barrier panels)
- ✗ Bad joint solution (detail) between absorptive and transparent panels
- ✗ Maintenance un-friendly system

OUR SOLUTION

- ✓ Reduce the quantity of noise barriers by undertaking the new Noise Study
- ✓ Design and construct the new cost and time efficient foundation system
- ✓ Install the modular system of absorptive and transparent noise barrier panels
- ✓ Use only prefabricated and modular elements easy to maintain and replace
- ✓ Measure the noise levels after the works completion

THE RESULTS

The improvements brought enormous benefits to the prime contractor and the client. The design and appearance of the new noise barrier system is considered one of the most successful along the corridor leading through Bosnia and Herzegovina.

The final success is the fact that noise level samples after the construction were far below the sound-level standards established by law.

CLIENT TESTIMONIALS

BAAR Solutions knows that its best advocates are often current and former clients. Here's what our partners and our customers are saying about our approach to various projects.

"We worked with [BAAR Solutions] for a decade in Europe and now that they're in Australia, we are looking forward to a long-lasting and fruitful relationship with them. We know BAAR as a professional, loyal and dedicated partner and were excited for their new opportunities in Australia."

Reinhard Kohlhauer

Managing Director
R.KOHLHAUER GmbH Germany

"[BAAR] was interested in our Biophilic Soundscape proposal and we had a few brainstorming sessions exchanging knowledge and experiences. We found them to be passionate and knowledgeable not only about their BAAR products but they were also committed to creating a better environment and teaming with others to get that done."

Nadine Samaha,

Senior Principal Architect
LEED Green Associate

OUR PARTNERS

Our two primary partners are *Kohlhauer GmbH* from Germany and *Global One* from Bosnia and Herzegovina.

Because he worked in Europe for many years, BAAR Solutions Director — Kenan Buturovic, developed a sophisticated understanding of these companies and their products.

When he arrived in Australia, Kenan saw an opportunity to represent these industry partners and introduce their products to contractors across the nation.






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