Engineering progress
Enhancing lives

REHAU presents

Building Solutions

TO

AHSCA

Association of Hydraulic Services Consultants Australia
QUEENSLAND CHAPTER INC.

A proud history of innovation

The REHAU Group is a family business established by Helmut Wagner in the small Bavarian town of Rehau in 1948.

Mr. Wagner was looking at innovative polymer materials to replace the costly leather components in the iconic Volkswagen ‘Beetle’. Starting out with just 3 staff and a single extruder, the company began to reshape German manufacturing.

Today, REHAU creates polymer solutions across a wide variety of industries. The company has over 20,000 staff, 40 global manufacturing facilities and produces more than 15,000 products globally.

Silently improving your world

Millions of people across the world benefit from REHAU products every day, usually without even noticing. Whether it‘s window systems that make homes more energy efficient or bumpers that make driving safer. Whether it‘s smart heating controls that improve indoor comfort or drinking water systems that deliver safe, clean water right from the tap. Our products are quietly working behind the scenes to enhance everyday life.

REHAU's pledge for sustainability

Sustainability in Action at REHAU

29 %
of CO_2 saved (in 2018 in comparison to 2009)

11 %
recycling rate in total tonnage (2018)

97.000 tCO_2
saved by recycling old windows in window production (2018)

90 %
recycling rate for return materials in production (2018)

65 %
of packaging made from sustainable materials (2018)

17 %
of electricity saved (kWh.kg) (in 2018 in comparison to 2009)

20 %
of our plants supplied with electricity from renewables (2018)

31 %
of water saved (in 2018 in comparison to 2009)

Sustainability is a driving force within the REHAU Group strategy. From our circular economy model to our approach for environmental and occupational safety, we believe REHAU employees and partners will help us build a sustainable business that future generations will be proud to inherit.

Being an International company, REHAU specialises in polymers and prides itself on its product offering to meet the demands of Industry. REHAU are always looking at new technological advances to improve on market standards from both an environmental and sustainability perspective.

As a family business, we've always thought about the long term and the generations to come. Responsible use of resources, durable and innovative products and sustainable investments are part of our DNA. We're therefore proud to join the 50 Sustainability & Climate Leaders initiative as one of 50 leading companies that have implemented measures to shape their business models in a more sustainable manner.

Safe drinking water with Lead-free RAUTITAN

Lead in drinking water is known to be a growing concern worldwide and many countries have introduced regulations to address it. Following strict restrictions imposed on plumbing materials by some European countries and the U.S in 2012, plumbing regulators in Australia are in the process of implementing similar restrictions.

REHAU's commitment to helping the community enjoy the cleanest, safest drinking water possible drives us to continually develop advanced materials that perform beyond industry standards and regulations. Lead-Free RAUTITAN combines our state-of-the-art Low-Lead Gunmetal fittings that have less than 0.1% Lead-Content with our famous premium quality PE-Xa pipe and supremely hygienic PVDF polymer fittings ensures the highest quality and safest drinking water.

Lead-Free RAUTITAN – safer drinking water from a plumbing system you can trust.

Current WaterMark requirements specify maximum lead content in plumbing fittings up to 4.5%

From 1st September 2025, fittings and systems with >0.25% lead will not be permissible on installations in Australia

We believe that lead content of <0.25% is a safer level of lead content (as per the US and European Standards)

REHAU has had a lead-free water solution since 2020 consisting of 0.1% lead content or even less with polymer solutions

RAUTITAN
Lead-free system

Pipes, fittings and sleeve sizes

16 mm – 25 mm

Compression sleeve

16 – 25mm = Polymer

Fitting types

16-20mm non threaded = Polymer
16-25mm non threaded = Lead-free
16-25mm threaded = Lead-free

Tools

Battery and manual

RAUTITAN water pipes benefits

- PEX-a (the highest quality pipe on the market)
- PN20: SDR 7.4: (the highest in pressure resistance)
- 70°C @ 1000kpa for min 50 year design service life *(suitable for flow and returns)*
- Optimum Flexibility and Kink Resistance
- Pioneers of PE-X

Compression sleeve

Reversible
zero connection mistakes

Less Compression forces
on tooling

More secure as it expands
and contracts

More Battery Life

Polymer and Brass fittings

Polymer fittings

- 100% factory pressure and dimensionally tested using state of the art technology
- PXsr* Solvent resistant polymer
- 5 times lighter than brass (you can carry more)
- Clean and hygienic
- Lead Free

Brass fittings

- Less than 0.1% Lead content
- Clean and hygienic
- Anti Stagnation and minimizing legionella fittings available
- Complete system ready for September 2025 standards

Superior range of tooling

L1 Tool – 16-25
Manual Tool
$$ LOW END

Rothenberger Axial Tool 16-40
Battery Tool
$$ MIDDLE END

AL2 16-40
Battery Tool
$$ TOP END

Expander Heads
Riveted Segments
Dual Expanders 16/20 Water
Quick Change (QC)

Product and system benefits

- Reece National network
- Local Sales Team in each state and territory
- Sales Team over a combined 250 years experience in Australia
- Direct access to the manufacturer
- Over 30 years in Australian market
- Outlasting the 25 year warranty period
- **myREHAU** training platforms
- Invented compression sleeve technology

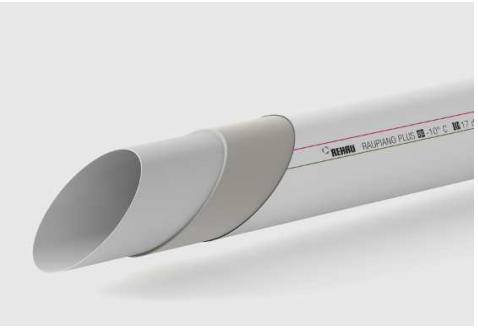
Peaceful living with acoustic drainage

The movement of drainage water through pipes behind walls and ceilings can create noise disturbances for residents. Traditional methods of dampening these sounds using acoustic insulation on traditional PVC drainage can be expensive, labour intensive and subject to deterioration over time.

REHAU's acoustic drainage system is a 3-layer mineral reinforced material designed to absorb turbulent water noise within the pipe walls, creating a more peaceful environment for the residents.

In addition to the supreme sound insulating properties, RAUPIANO PLUS can be used for your Greasy Trade Waste applications.

RAUPIANO
acoustic drainage



Pipe

40-160mm
Multiple lengths available
Triple layer mineral reinforced polypropylene (PP-MD) for maximum acoustic performance and minimum weight

Fitting types

All fittings are M / F and contain a rubber sealing ring on female end
Fittings manufactured with sound absorbing materials

Brackets

40-160mm
Rubber lined standard brackets for horizontal and vertical (40-160mm)
Rubber lined sound dampening brackets for vertical installation (75-160mm)

Tools

Battery and manual

Bracketing

Sound-dampening bracket

Attach to vertical stack only

Guiding clamp

Loose on pipe (Light Green colour with spacers)
Fix to wall on vertical stack
Fix to floor/ceiling on horizontal

Fixing/security clamp

Tight on pipe (Light Green colour without spacers) Fix to floor/ceiling only (Fixing clamp)
Never fix to wall (security clamp)

Saves time

Add value

Are you or your clients paying laggers to acoustically treat your pipework?
Add value by offering the full acoustic system with a single drainage solution.

Save time by installing faster

Live installation time comparisons on a multi unit apartment proves RAUPIANO can be:

- 2 times faster than PVC
- 3 times faster than lagged PVC

To see the time lapse video at Vue on King Apartments check out the RAUPIANO Time Lapse available on www.myREHAU.com

Reduce material and labour costs

Lagging can be up to three times more expensive than the installed work. Using RAUPIANO minimizes cost, delivering more profit to the installer.

Up to 30% savings can be achieved compared to lagged PVC

Acoustic performance

Guaranteed long term acoustic performance

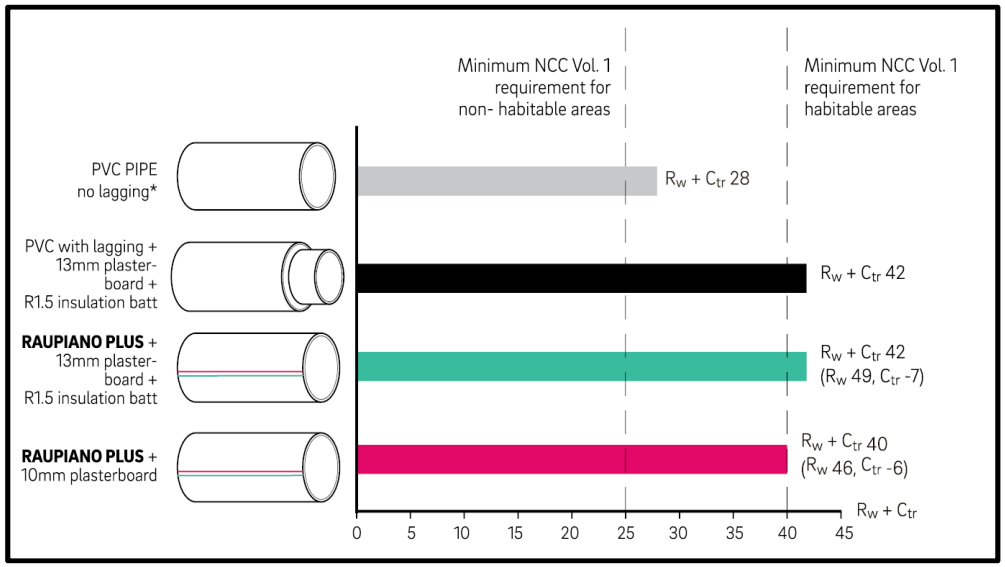
Poorly installed, deteriorated or damaged lagging does not guarantee adequate sound protection to meet NCC compliance in residential buildings.

RAUPIANO offers consistent and reliable acoustic performance for the life of the building.

Peace of mind

More than 30 acoustic tests on RAUPIANO along have been undertaken by local acoustic consultants.

This is more than any other drainage solution on the market today. Install RAUPIANO **with confidence**.



Acoustic testing

* Boral Selector + Feb 2009 - System WP13, 13mm std core plasterboard with insulation (Graeme E Harding & Associates)

Trade waste

High temperature waste

Approved for waste temperature up to 95°C (intermittent) and 90°C (continuous).
RAUPIANO is ideal for use in commercial kitchens.
Some chemical don't suit RAUPIANO so for chemical/industrial trade waste (laboratories, petrol stations) check suitability with REHAU prior to installation.

Save time by installing faster

Rubber ring joints enables 3 times faster jointing of HDPE
Lubricate – Insert – Withdraw 10mm*, Done!
*When pipe exceeds 500mm

Neater pipework

PP-MD has Half the thermal expansion of HDPE
So it doesn't grow and bend during intermittent delivery of hot waste or in hot environments.
Straighter pipework equals neater installation.

In-Ground or In-Concrete

Check the installer guide for recommended installation method.

System benefits

- Less Competition in drainage
- More profit margins over PVC
- Used in Europe since 1996
- Benefits of RAUPIANO (bare) against HDPE and PVC with and without acoustic lagging
- No welders required on site
- No glue and primers
- Completed RAUPIANO installation is visual so cannot be compromised
- Reduces trades on-site
- Less people = Less WHS risks
- Reece National network
- Local Sales Team in each state and territory
- Sales Team over a combined 250 years experience in Australia
- Direct access to the manufacturer
- **myREHAU** training platforms

Reliable sewer solutions to outperform traditional systems

REHAU has long been heralded as an industry leader in the global civil engineering and infrastructure sphere for 30 years now. AWASHAFT Polypropylene (PP) Maintenance Structures are 100% recyclable, having a 100-year life span with a leak-safe connection.

With AWASHAFT's component construction methods, it can add benefit to many asset owners by eliminating groundwater infiltration.

REHAU's continued innovation allows AWASHAFT to be 3 times faster to install and more reliable than conventional methods.

AWASHAFT Civil product range

DN400

MS - Maintenance shaft – Nominal DN 225 or DN300 shaft and allows some equipment access (DN400)

DN600

MC - Maintenance chamber – Nominal DN 600 shaft and allows all equipment access to sewer system (DN 800)

DN800

MC - Maintenance chamber – (DN 800)

DN1000

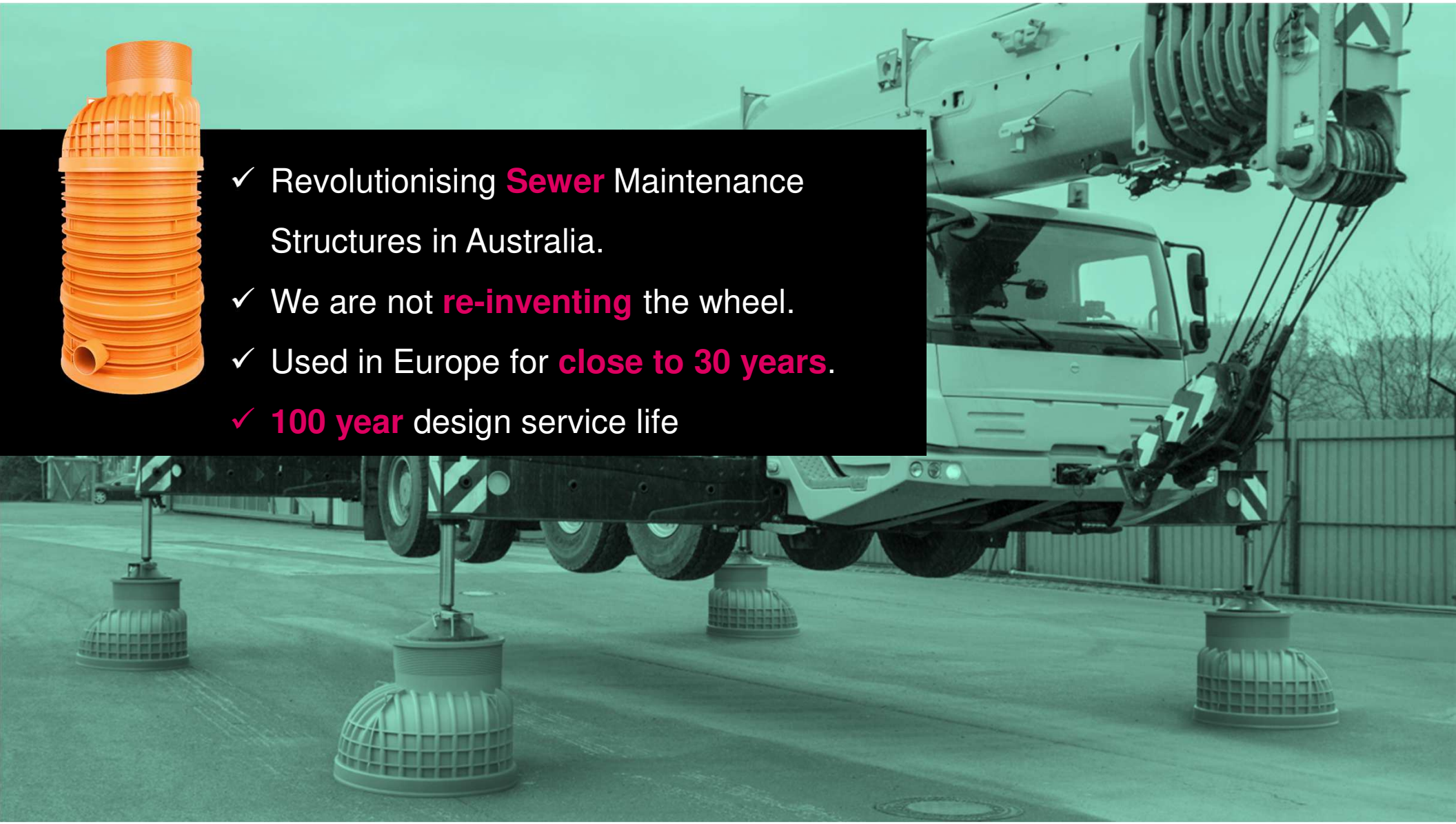
MH - Maintenance hole – Nominal DN 1000 shaft and allows access for personnel.

AWASHAFT Civil product range

AWADOCK
Fitting to allow internal and external drops into DN1000 – 800 Chambers

AWADUCT
Connection fittings to transition to differing pipe materials. Also flexible joints

FLEX CONNECT
Connection fittings to transition to differing pipe materials and sizes



- ✓ Revolutionising **Sewer** Maintenance Structures in Australia.
- ✓ We are not **re-inventing** the wheel.
- ✓ Used in Europe for **close to 30 years**.
- ✓ **100 year** design service life

myREHAU.com

Membership Training and Rewards from the industry's engineering and plumbing experts.

Take your business to the next level
Join myREHAU today!

www.myrehau.com

Engineering progress
Enhancing lives

Contact us for more details

REHAU Pty Ltd
Suite 1.02, Level 1, Quad 1, 8
Parkview Drive
2127 Sydney Olympic Park, NSW
AUSTRALIA

1300 768 033

sales.au@rehau.com

Rehau Queensland

Greg Donaldson

04582309183

Mark Quinn

0418587199

Find out more on

www.rehau.com.au

MYREHAU.com