

NEW  
POLYMER  
COATING



MINING  
AND  
CIVIL

PROSPECT  
contractors



AWARD WINNING GABION INSTALLERS

MACCAFERRI

GEOFABRICS®

Smarter Infrastructure

# Gabion

## Advantages

**Environmentally friendly** Gabions have much less impact on the environment than other construction materials such as concrete; they have even improved environmental quality at a number of locations.

**Aesthetically pleasing** Gabions have a natural appearance which is enhanced when vegetation growth is encouraged.

**Durable** The double twisted wire mesh of the Gabion baskets, ensure that they will not unravel in the event of one or more of the wires breaking. The PoliMac® coated wire offers up to three times more protection against corrosion than zinc coated wire.

**Can adapt to difficult sites** Gabions can be used in environmentally sensitive locations, including marine environments.

**Long lasting** Gabions can last 100+ years, depending on the application and coating.

**Strong** The fastening procedure ensures that the units act as one extremely strong monolithic structure.

**Flexible** Gabions are able to accommodate significant differential settlement.

**Low maintenance** Usually minimal maintenance is required as Gabions are extremely durable and long lasting.

**Permeable** This stops hydrostatic pressure being built up behind retaining structures and makes Gabions an ideal solution in marine and freshwater environments.

**Rapid installation** Gabions can be installed at a much quicker rate than concrete as no footing or curing is required.

- Marine
- Coastal protection
- Wetlands
- Weirs
- Creek rehabilitation
- Drainage
- Bio filters
- Erosion control
- Stabilisation
- Roads / railways
- Bridge abutments
- Sloping blocks
- Mining dump walls
- Retaining walls
- Noise walls
- Decorative facades
- Architecture
- Landscaping
- Thermal maze

# Company Profile

Prospect Contractors have been installing Gabions and Reno Mattresses for over 20 years. During this time we have earned a reputation as leaders in the industry, and been involved in a number of major projects nationwide including: Sellicks Beach Weir and the Adelaide Desalination Plant in SA, road reinstatement in Halls Gap, Victoria and a dam stabilisation project in the ACT.

Over the past few years, we have also had a particularly large involvement in the mining industry having in Queensland and Western Australia.

Our success is a result of the experience and dedication of the operational and management teams who have successfully delivered hundreds to projects from concept to completion. We also have a fully functional quality management system that is accepted by all employees and management and is subject to continuous development thus ensuring consistent, outstanding quality of the finished product.



ISO 45001

BUREAU VERITAS  
Certification



Paul Mysiszczew  
Chief Executive Officer

## At Prospect Contractors we believe in:

### Providing Quality Services

Prospect Contractors are committed to providing quality products, service and management. We use Quality Assured Maccaferri and Geofabric products that provide strength, flexibility and durability. We have the very best company owned and operated equipment and we take care to ensure the Gabions are installed correctly and efficiently to optimise their effectiveness, visual impact and lifespan.

**Responding to the needs of our Clients** At Prospect Contractors we have all the necessary equipment, personnel and experience to offer quality services at a cost effective rate in any situation no matter the scale or technical difficulty.

**Delivering Excellent Results on Time** We pride ourselves on our professional and efficient installation of Gabions and Rockweld products. We consistently complete projects within deadlines ensuring satisfied clients.

**Innovative Ideas** Prospect Contractors will assess each location, evaluate the situation and suggest innovative solutions to the problem. Whether it be with traditional wire mesh Gabions, Rockweld or even a particular geotextile that is required, we will always recommend and quote on the best solution.

# Company Structure

## Owner and Designer

Owner of Prospect Contractors, Paul Mysiszczew, has been in the construction industry for over 25 years and has worked in a range of areas including civil, commercial, industrial and mining.

Prospect Contractors was established in 1984 in south Australia, since then we have grown from two to over 30 employees and now operate Australia wide with the capacity to work overseas. Paul's expertise in Gabion installation has earned the company accolades such as Master Builder of the Year 2011 and multiple commendations from the Civil Construction Federation.

## Management Team

Our highly motivated, multi-disciplined management team efficiently controls all aspects of the business including: project management, administration, quality management system, safety and environment and 3D Design. The team's combined knowledge and experience guarantees exceptional outcomes for our clients.

## Operational Team

All our staff are highly trained in the installation of Gabions and Reno Mattresses, including the art of hand facing. Staff also receive training in working at heights, first aid, skid steer and excavator operations, defensive driving, mining inductions, work zone traffic management and health, safety & environment.



***“At Prospect Contractors we pride ourselves on our efficient installation of Gabions throughout Australia and with such high standards we are a preferred installer of Maccaferri and Geofabric products”***



# Equipment

Whatever the job, Prospect Contractors has all the equipment needed to take your job from start to finish, whether it's bobcats, excavators, utes or trucks.

We have shipping containers for movement and storage of equipment and are therefore a mobile operation and can work anywhere in Australia.



## High Performance Polymer Coating

Prospect Contractors now installs Gabions with the new PoliMac® coating. Maccaferri has developed PoliMac®; a new polymer coating for hexagonal double twist steel wire mesh products. It has been developed to:

- Meet environmental project requirements
- Achieve the technical performance demands of hydraulic, geotechnical, erosion control and environmental protection projects.
- Maximise longevity and structural efficiency through increased abrasion and chemical resistance.

The new PoliMac® coating is an inert polymeric compound which exhibits high abrasion resistance. It is capable of withstanding the most severe application conditions including highly aggressive mechanical and chemical impact, long-term ultraviolet radiation and low temperature effects.

The polymer recipe is exclusive to Maccaferri and has been selected for use within the construction, mining and environmental industries.



Steel wire protected by long-life galvanising with an additional PoliMac® polymeric coating

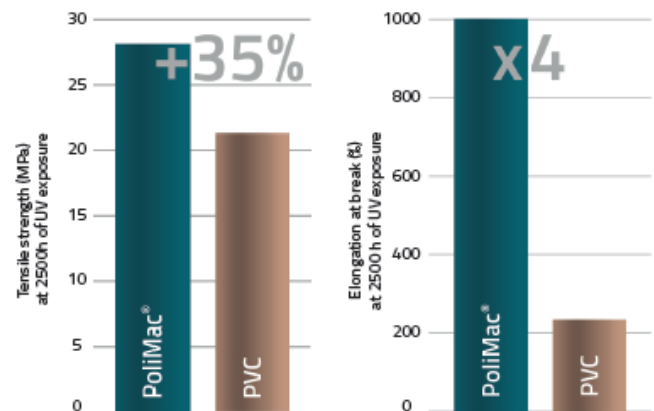
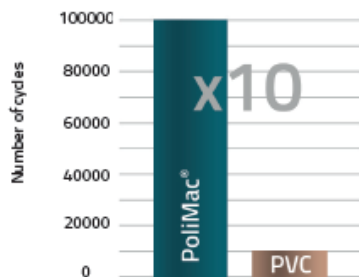


**Abrasion resistance tests**  
 PoliMac® showed excellent performance by withstanding 100,000 cycles of abrasion in accordance with test method described in EN 60229-8.

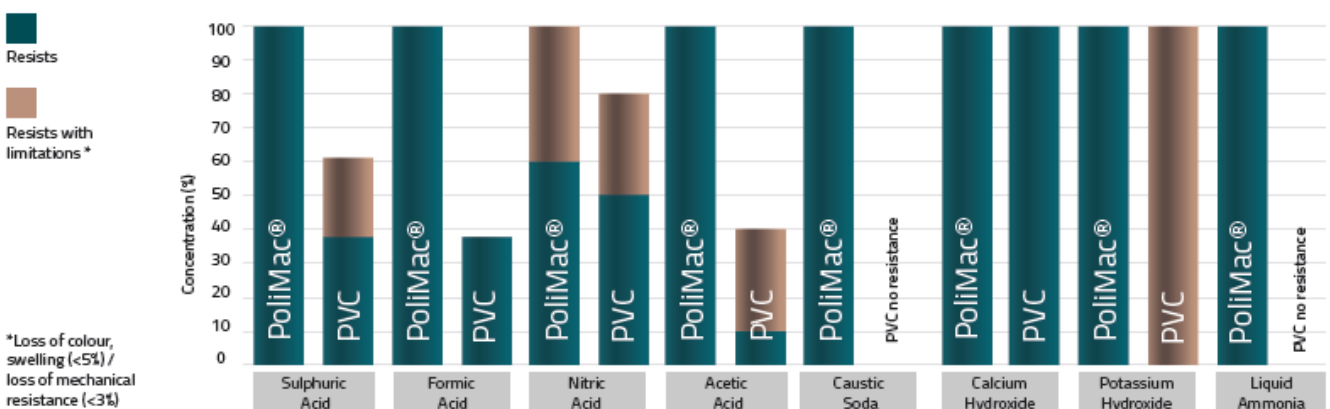
**UV resistance tests**  
 As a result of severe accelerated aging tests, PoliMac® achieved conformance with ISO 4892-3, EN 10223-3, showing better tensile strength resistance and elongation than other traditional polymeric coatings after 2,500 h of exposure to UV.



**BETTER RESISTANCE THAN TRADITIONAL POLYMERIC COATINGS**



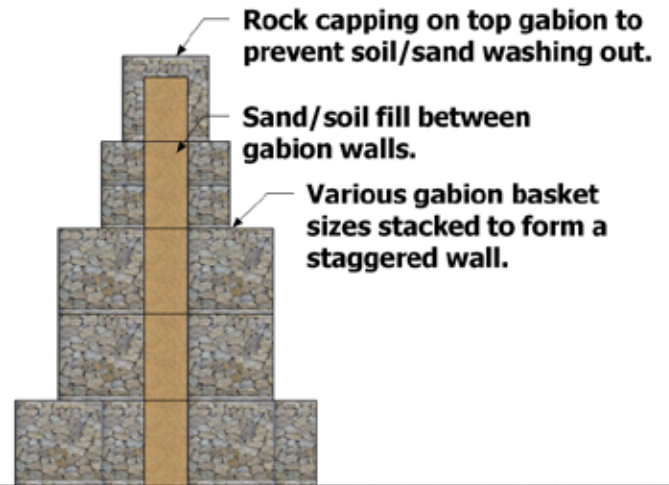
The new PoliMac® polymer coating is more resistant to chemical attack, both in alkaline and acidic pH conditions versus traditional polymeric coatings for steel wire.



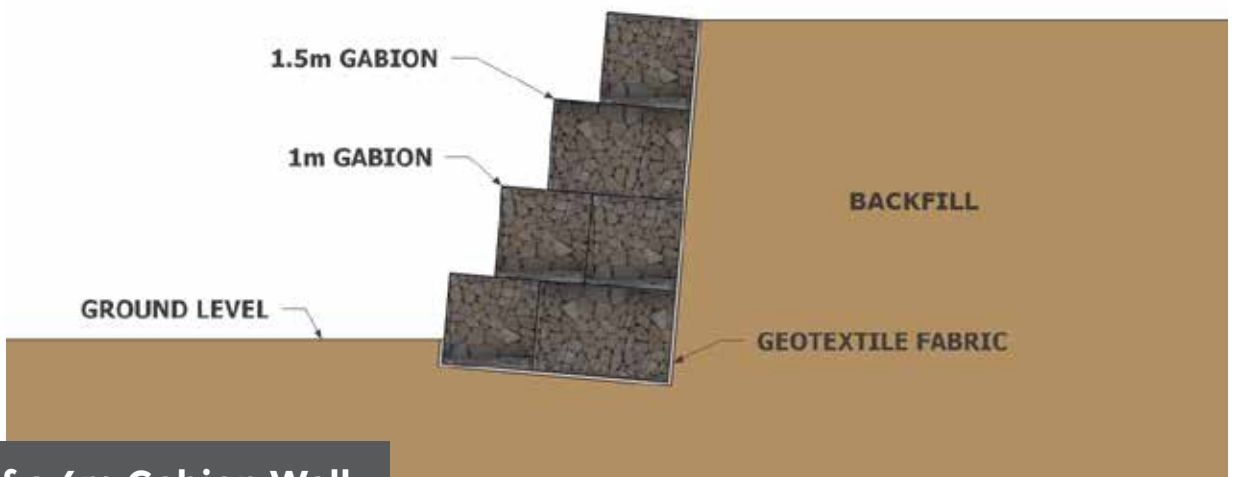
\*Loss of colour, swelling (<5%) / loss of mechanical resistance (<3%)

# Gabion Side Sections

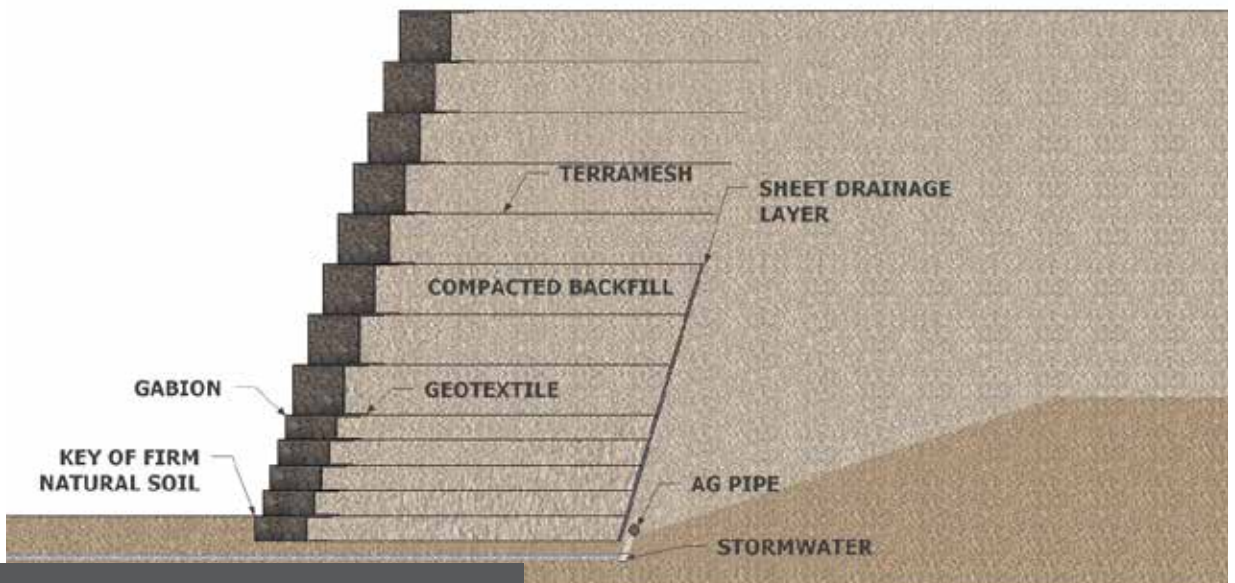
## SECTION VIEW OF A STAGGERED NOISE REDUCTION GABION WALL



Section of a Staggered Noise Wall



Section of a 4m Gabion Wall



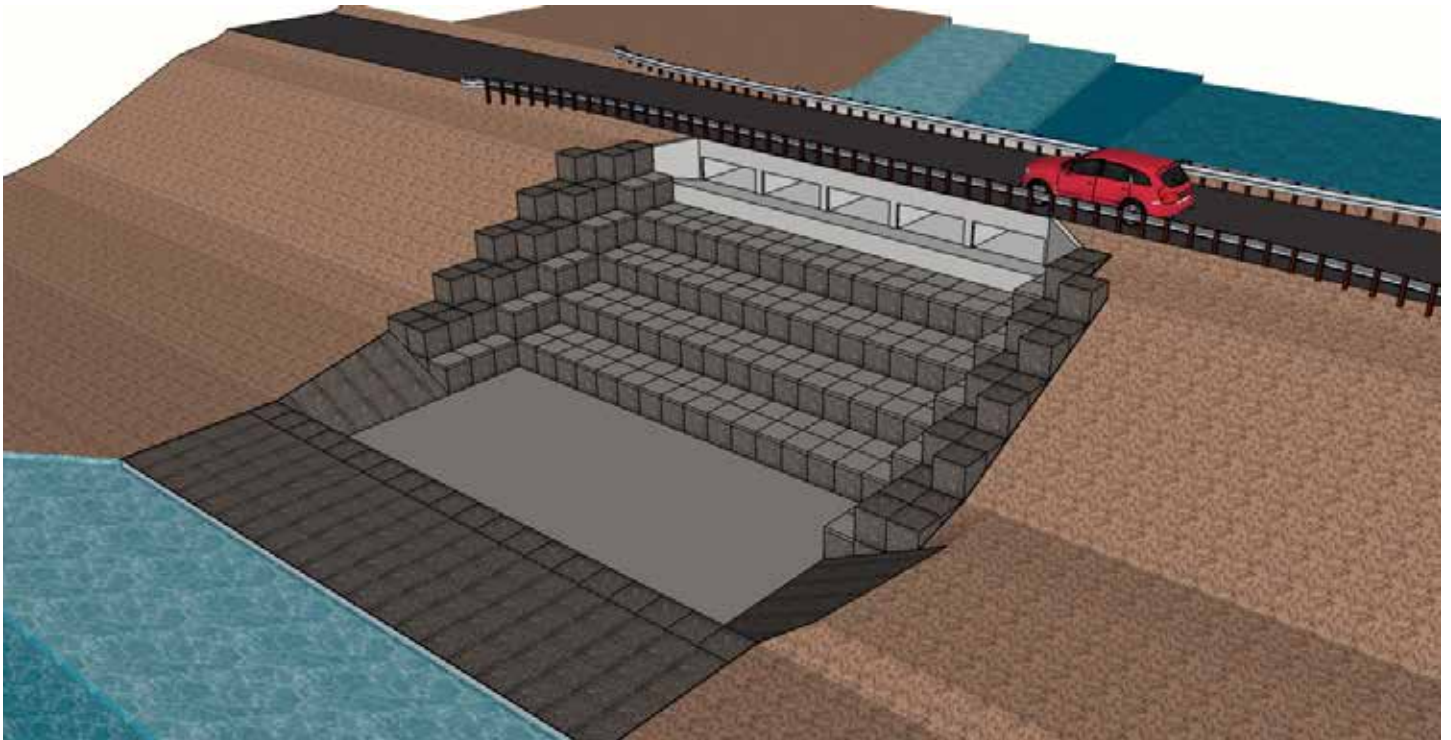
Section of a Gabion Terramesh Wall



# 3D Imaging

As well as providing clients with an initial quote, we can also provide a 3D imaging service at an additional cost. This involves taking the project plans and digitising them into a 3D video or illustration showing how their project will be constructed. Clients find this service extremely useful as it shows what the final product will look like, and can also pick up on potential engineering problems before construction has begun saving time and money.

These and other 3D images and videos can be viewed on our website.



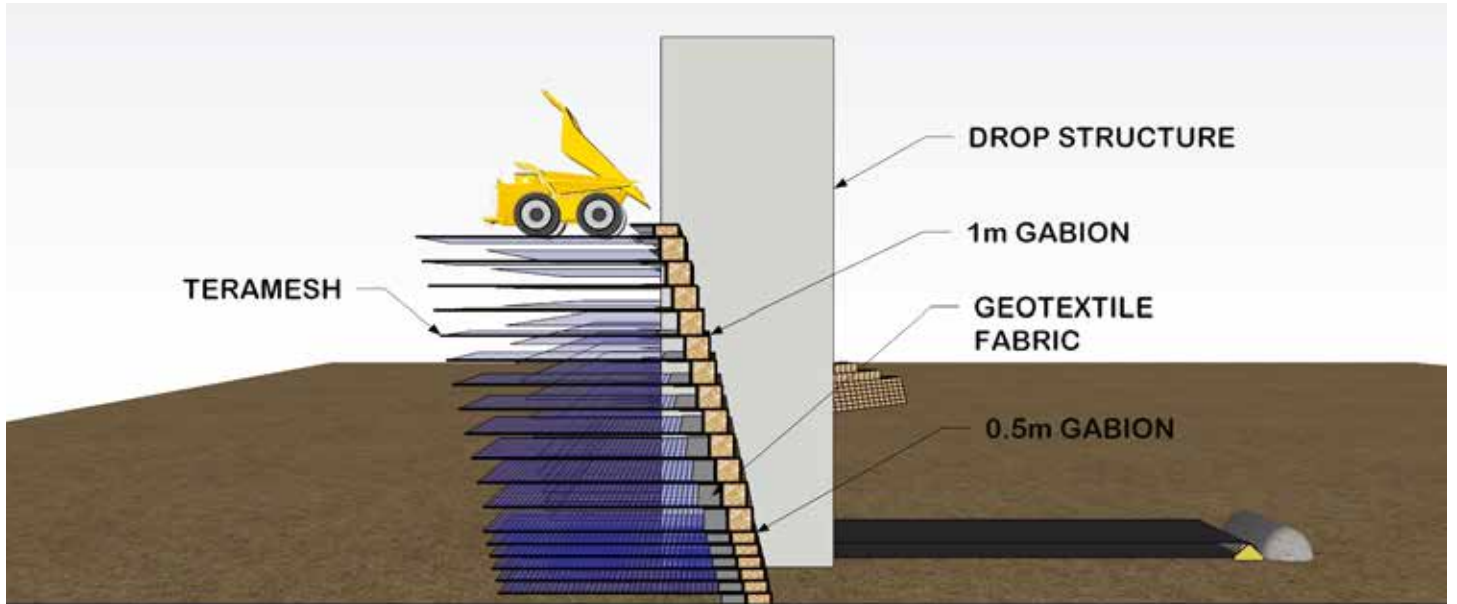
**Weir for Moranbah Coal Mines**



**Dunstone Grove Creek Rehabilitation**

# Mining Dump Walls

Gabions are frequently used for constructing dump walls for mine sites, as they create a vertical face from which the mined ore is tipped into a crusher system. As local rock is usually readily available, it can be used in the construction of the Gabion dump wall making it an economical option.



## Mining Dump Wall

### Mining Dump Wall - Pilbara, WA

Prospect Contractors installed an 8 level Gabion dump wall at an iron ore mine site in Western Australia. The Gabion wall will provide a stable platform from which heavily laden trucks can tip their loads into the primary crusher.

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Outlined over the next few pages is just a selection of some of the civil and mining projects we have completed around Australia. Visit our website or follow us on our social media pages for even more recent project updates.

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## Desalination Plant

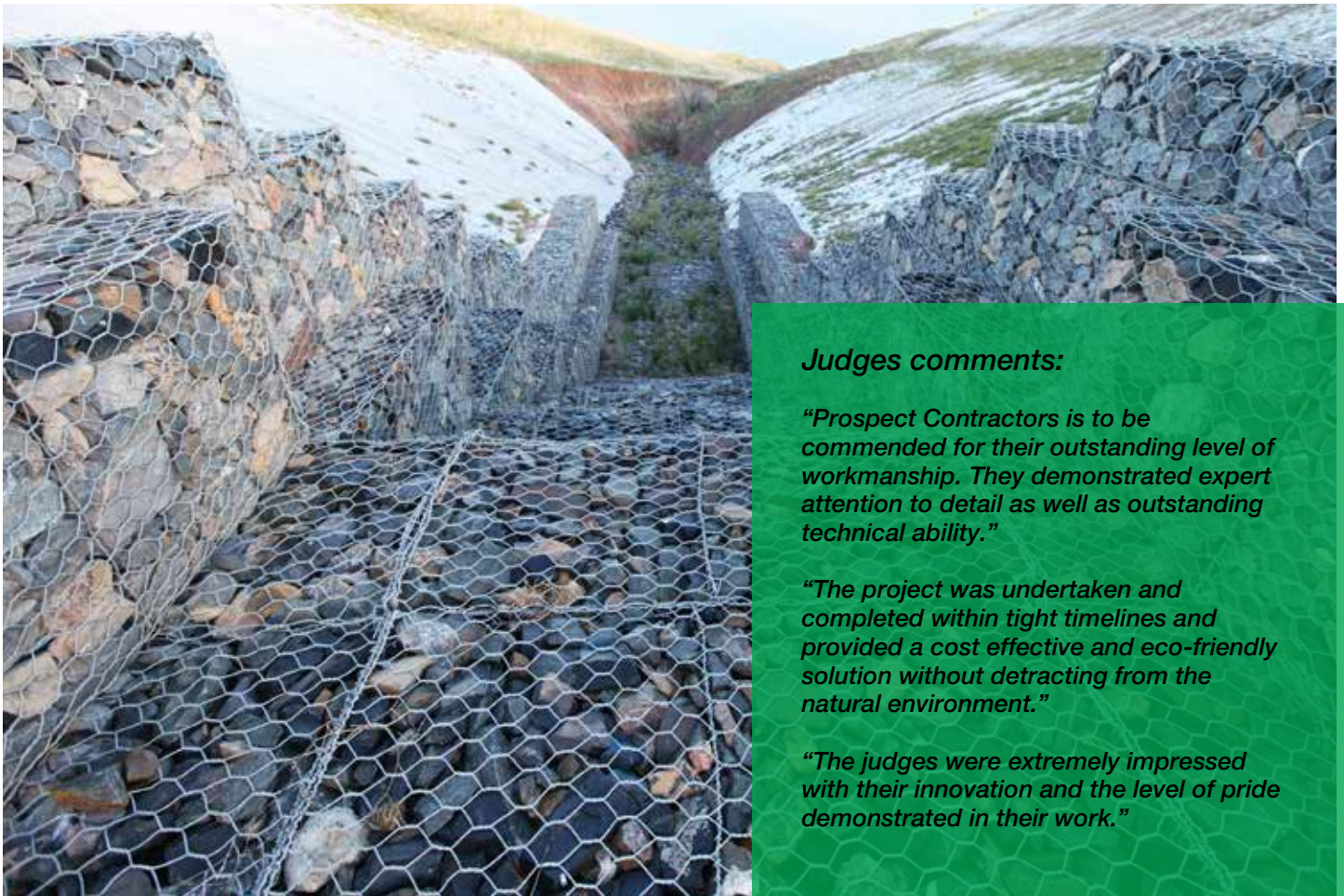
### Desalination Plant Creek Rehabilitation - Lonsdale, SA

Prospect Contractors installed a series of stepped weirs using Gabions and Reno Mattresses to rehabilitate a severely eroded creek system at the Desalination Plant in South Australia. The 28 weirs make up the longest series of Gabion weir structures constructed along a creek in South Australia with a total rehabilitation area of 34,000m<sup>2</sup>.



Before





**Judges comments:**

*“Prospect Contractors is to be commended for their outstanding level of workmanship. They demonstrated expert attention to detail as well as outstanding technical ability.”*

*“The project was undertaken and completed within tight timelines and provided a cost effective and eco-friendly solution without detracting from the natural environment.”*

*“The judges were extremely impressed with their innovation and the level of pride demonstrated in their work.”*



**Master Builders Awards:**  
Master Builder of the Year -  
Specialist Contractor 2011  
Excellence in Civil Construction



**CCF Earth Award**  
Finalist in the Civil Contractors Federation,  
South Australian Earth Awards - Category 1





## Sellicks Beach Weir

### Sellicks Beach Weir - Sellicks Beach, SA

Sellicks Creek Catchment was rapidly eroding causing debris and silt to flow out to sea, degrading the marine habitat. Prospect Contractors constructed the largest weir in South Australia, as well as a series of smaller weirs using Gabions and Reno Mattresses. A beach access ramp and wetlands were also built at this site.



Before





**Master Builders Awards:**  
Commendation Award 2010  
for 'Structural Work' on the  
Sellicks Beach project.



**CCF Earth Award**  
Our contribution to the rehabilitation of the Sellicks  
Creek, aided ADCIV Civil Engineers to obtain a CCF  
Earth Award.





## North Star Project

### North Star Project Terramesh Dump Wall - Marble Bar, WA

Prospect Contractors constructed a 11.5m high x 87m long, Terramesh Gabion dump wall at the North Star mine site. This wall also incorporated ParaGrid between each layer for additional soil reinforcement.

The Gabion dump wall will provide a stable platform for tipping of iron ore into the crushing plant. (See page 34 for more information on Terramesh Gabions).









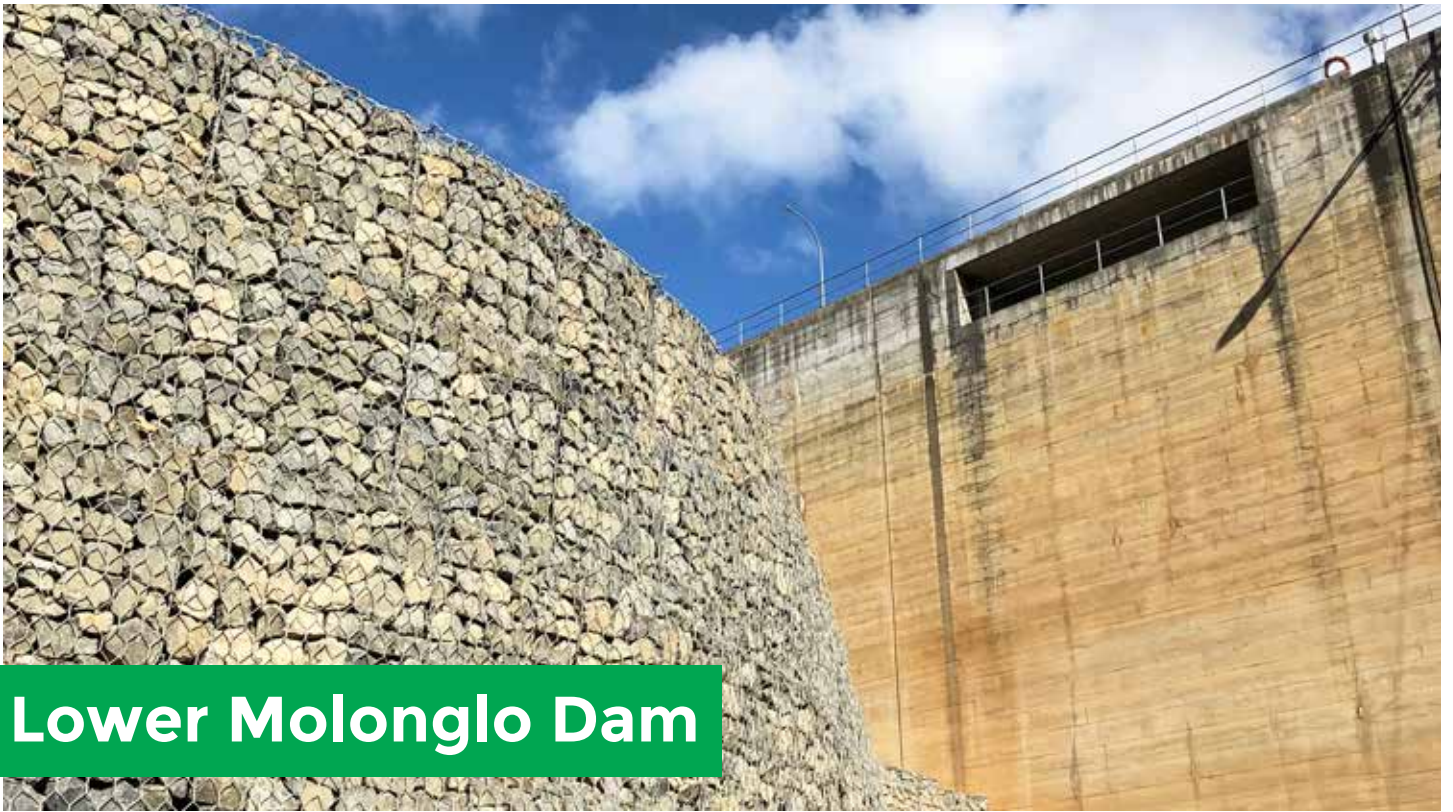
## Moranbah Coal Mine

### Moranbah Coal Mine - Moranbah, QLD

Prospect Contractors constructed a series of weirs and spillways in a man made dam structure at the Anglo Coal Mine. The project consists of 3057 cubes and 2550m<sup>2</sup> of Renos. A record length, 900m long freestanding, double faced wall has also been built. This Gabion retaining wall divides the dam from the road.







## Lower Molonglo Dam

### Moranbah Coal Mine - Moranbah, QLD

Prospect Contractors constructed a series of weirs and spillways in a man made dam structure at the Anglo Coal Mine. The project consists of 3057 cubes and 2550m<sup>2</sup> of Renos. A record length, 900m long freestanding, double faced wall has also been built. This Gabion retaining wall divides the dam from the road.





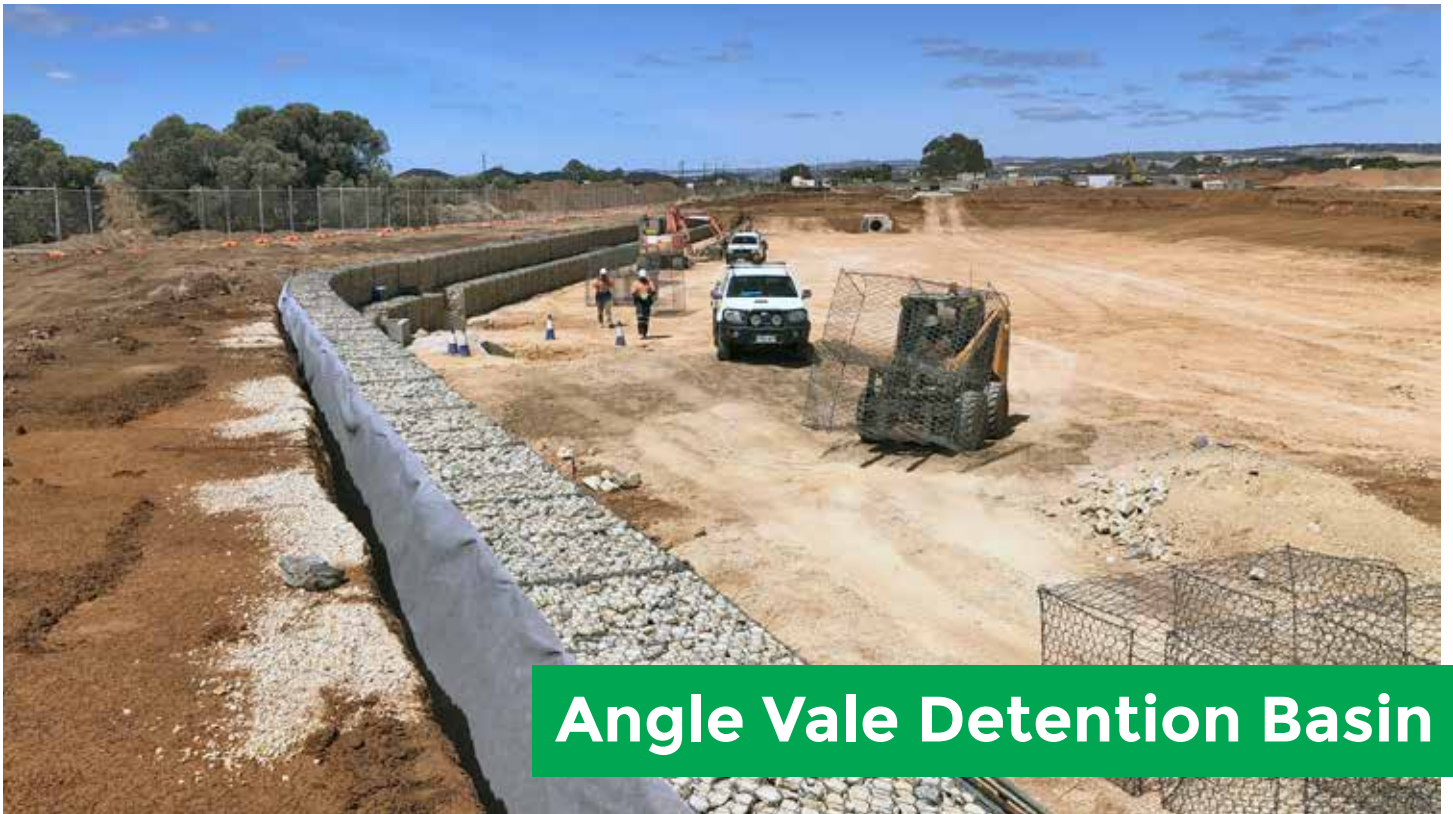


## Pluto Project

### Pluto LNG Project - Karratha, WA

The first project Prospect Contractors completed at the Pluto LNG project, was a remote pad for a metering station in 2009. In 2010, Prospect Contractors built a series of Gabion intersection walls. The 5m high retaining walls were built either side of a new roadway into the Pluto site.





## Angle Vale Detention Basin

### Angle Vale Detention Basin - Angle Vale, SA

Prospect Contractors installed 471m<sup>3</sup> of Gabions with the new PoliMac® coating, in a detention basin, at the Angle Vale subdivision project. This project completed in December 2019 was the first project to use PoliMac® in Australia.





## Halls Gap

### Halls Gap Road Reinstatement - Mt Victory Road, VIC

After a major flood swept through the Grampians National Park causing landslides and damage to a number of roads, Prospect Contractors were contracted to build several Gabion retaining walls to stabilise the mountain side and to reinstate the road.



Before









## Dunstone Grove

### Dunstan Grove Creek Rehabilitation - Stepney, SA

Prospect Contractors installed Gabion walls and Reno mattresses to Second Creek in the Dunstone Grove-Linde Reserve to naturalise the creek, enhance habitat and biodiversity and create a more functional open space.



Before



#### CCF Earth Award

Finalist in the Civil Contractors Federation,  
SA Earth Awards 2012 - Category 1





## Blakes Crossing Renos

### Blakes Crossing Reno Mattresses - Blakesview, SA

Prospect Contractors installed 1600m<sup>2</sup> of Reno mattresses to the man-made creek bed at the Delfin subdivision in Blakeview. The creek will take road and domestic water runoff to the wetlands. Stage 2 involved another 8000m<sup>2</sup> of Renos as well as a number of drop structures.



## Beyond Subdivision

### Beyond Subdivision Holding Ponds - Pt Elliot, SA

Prospect Contractors constructed holding ponds to collect, treat and store stormwater, prior to it entering the Southern Ocean. It involved the restoration and earth works on a severely eroded drainage creek line and saline affected floodplain.



## Richmond Renos

### Richmond Reno Mattresses - Richmond, QLD

After floods washed away the track over the Stawell River on the Richmond to Croydon Road in Qld, Prospect Contractors installed 3900m<sup>2</sup> of Reno mattresses on both the upstream and downstream sides of the new 8m wide road. 150m<sup>3</sup> of Gabions were also used to anchor the mattresses to the river bed.





## Hillbank Weir

### Hillbank Weir - Hillbank, SA

Prospect Contractors installed tiered Gabion walls at Hillbank to help reinstate the creek line and stop further erosion. Reno mattresses were also installed in front of the headwall.



## Ridge Park

### Ridge Park Detention Dam - Mrtyle Bank, SA

Prospect Contractors installed 1500m<sup>3</sup> of Gabions either side of a solid concrete wall as part of a flood detention dam at Glen Osmond Creek. The dam will collect stormwater which will be stored in a underground aquifer and used to water local plants.



## Frank Hilton

### Frank Hilton Reserve - Maslins Beach, SA

Prospect Contractors installed 1352m<sup>3</sup> of Terramesh Gabion walls on 1.2m wide concrete footings, with rock anchors for tying into the existing embankments. This will provide safer access within the dam and reduce current maintenance, as well as allow water to flow without erosion.



## Siding Spring

### Siding Spring Observatory Road Repair - Coonabarabran, NSW

In 2013, a major fire swept through the Warrumbungle National Park causing fallen trees, landslips and damage to a number of roads. Prospect Contractors were contracted to build a 90m long Gabion retaining wall to stabilise the mountain side and to reinstate the road.



## Munno Para Wetlands

### Munno Para Wetlands - Munno Para, SA

The Munno Para Wetlands were built to take water run off from the new subdivision in the area, which is to be used to green local parks and wetlands. Prospect Contractors installed 1400 cubes of Gabions to stabilise the edge of the wetlands.



## Encounter Lakes

### Encounter Lakes Marine Wall - Victor Harbour, SA

In 2009 Prospect Contractors installed a series of Gabion retaining walls in a marine environment, as part of the Franklin Island Development, Encounter Lakes. PVC sleeves were installed into the wall which allowed for the fence to be added to the top.



## Wayville Train Station

### Wayville Train Station Gabions - Wayville, SA

Prospect Contractors installed several Gabion walls at the new train station at the Adelaide Showgrounds.



## The ARC Campbelltown

### ARC Campbelltown Leisure Centre - Campbelltown, SA

Prospect Contractors installed 800m<sup>3</sup> of Gabions at the new leisure centre in Campbelltown. The Gabion retaining walls curve around the new building and reaches up to 8m in one corner. The Gabions create an impressive backdrop to the new modern architecture as well as provide a functional retaining structure.







## RAH Aboriginal Garden

### RAH Aboriginal Garden Retaining Wall - Adelaide, SA

As a part of the new Royal Adelaide Hospital, Prospect Contractors have installed a 52m long Gabion retaining wall in the Aboriginal Garden. Corten steel panels featuring Aboriginal designs by Kurna artist Karl Telfer and Ramindjeri artist Sam Gollan, stand as artwork above the wall.



## RAH Detention Basin

### RAH Detention Basin - Adelaide, SA

In addition to the Aboriginal wall Prospect Contractors also installed Gabions to a detention basin to capture storm water from the new hospital building.

# Terramesh Gabions

Prospect Contractors have installed a number of Terramesh walls around Australia. A few projects include the Lower Molonglo Dam, the Newman subdivision, Adelaide Rail Revitalisation project and mining dump walls.

The Terramesh system comprises of Maccaferri Gabion baskets with woven mesh and soil reinforcement panels, intergrated between each layer of the baskets. They can be used to build structures with either a stepped front face or a vertical facing.

Maccaferri Terramesh are pre-assembled units of double twisted wire mesh. The facing section of the unit is formed by connecting a back panel and diaphragms to the main fasica unit.

They can be used individually or combed with Geogrid or Tensar Grid for reinforcement and soil stabilisation. They are used in a wide range of applications including slip repair work and steep slope construction in both residential and road infrastructure projects.

## Terramesh Advantages:

- Maccaferri Terramesh features a Galmac coated wire mesh, protected by a PoliMac®. This improves corrosion resistance and enhances the system's durability.
- Maccaferri Terramesh as a permeable front face to allow drainage of the backfill.
- It is structurally safe in the face of fire and reduces environmental impacts by incorporating vegetation on the front face.
- Maccaferri Terramesh is quick to install and tests have proven its durability and strong performance in coastal applications
- When combined with Geogrid the Terramesh structures can exceed 50m in height.



# Quality Assurance

## Quality Policy ISO 9001

Prospect Contractors is an Australian business specialising in the installation of Gabion structures for aesthetic benefit, noise reduction, soil stabilisation, wetland construction and erosion protection.

Our philosophy is to "provide quality products and services that suite the needs of our clients while offering an environmentally friendly solution". To assist us in realising this philosophy we have implemented a Quality Management System certified to ISO9001:2015

Prospect Contractors will ensure that:

- all employees are trained in the requirements of the Quality Management System,
- the System is continually reviewed and improved, and that
- the following strategic objectives form the basis for the measure of our success:
  1. To create and maintain ongoing client relationships through a commitment to excellence in product quality and customer service
  2. To provide the training and resources to ensure a safe and enjoyable work environment for all of our staff.
  3. To continue to employ best practice in the design and construction of our products allowing our reputation to serve as our method of advertising.
  4. To ensure ongoing compliance with the ISO9001, ISO1400 and AS/NSZ4801 standards as well as contractual and regulatory requirements
  5. To be the Gabion installer of choice throughout Australia.

These strategic objectives are supported by related specific targets. Performance against our objects and targets is monitored on a monthly basis providing ongoing evidence of our success against the strategic objects state above.

## Health & Safety Policy ISO 45001:2018

Prospect Contractors is an Australian business specialising in the installation of Gabion structures for aesthetic benefit, noise reduction, soil stabilisation, wetland construction and erosion protection.

Prospect Contractors are committed to making sure that all employees and subcontractors are safe from injury and risks to health while at work. The owner as the Responsible Officer of the business considers that the health, safety and welfare of the employees, customers and subcontractors is of primary importance and is ranked equally with all other activities of the business.

We aim to provide a healthy and safe work place and will comply with all legal requirements to provide:

- a safe and healthy working environment for our employees and subcontractors
- safe systems of work and plant and materials in a safe condition.
- the necessary information, instruction, training, and supervision to make sure that each employee is safe from injury and risks to health.
- effective ways of consulting and communicating with the workforce and their representatives on all occupational health, safety and welfare issues.
- effective ways of reporting, recording, and investigating all injuries, work-related illness and 'near misses' in the workplace.
- effective rehabilitation measure for employees who suffer work-related injuries and illness.
- a safe environment for all customers and visitors.

Prospect Contractors require that all employees and subcontractors cooperate in the achievement of these objectives, together with our customers to assist in the prevention of injury to themselves and others.

These objectives are supported by related specific targets.

Performance against our objectives and targets is monitored on a monthly basis providing ongoing evidence of our success against the strategic objectives stated above.

## Environmental Policy ISO 14001

Prospect Contractors is an Australian business specialising in the installation of Gabion structures for aesthetic benefit, noise reduction, soil stabilisation, wetland construction and erosion protection.

Our philosophy is to "provide quality products and services that suit the needs of our clients while offering an environmentally friendly solution". To assist us in realising this philosophy, we have implemented an Environmental Management System accredited to ISO14001.

Although the work that Prospect Contractors undertakes provides protection for the environment, we recognise that some of our activities also pose an environmental risk.

Prospect Contractors is committed to:

- protecting and improving the environment
- identifying and mitigating hazards that may result in negative impacts on the environment
- compliance with all appropriate regulatory requirements and codes of practice relating to environmental impacts of our business
- Implementation and maintenance of an Environmental Management System [EMS] in accordance with the requirements of ISO 14001:2015.

Prospect Contractors will demonstrate this commitment by:

- ensuring adequate resources, with appropriate training and competence, are provided by top management to comply with the requirements of the EMS
- open discussion with clients and interested parties on environmental issues of mutual interest
- development of environmental objectives and targets as part of our business planning process.
- ensuring all relevant aspects of the EMS are communicated to and understood by all staff.





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