Stronger Together

COVA

Bulk Material Handling

Mar, 2024

40+
Years of experience

Our History

1979
Lincoln Scott acquired Hasen Joseph Patterson and established in Hobart

1983
Rebranded to EMF Consultants

1989
Acquired Stephenson Maunsell and Partners and changed name to Stephenson EMF Consultants

1997
The company started formally trading as Scientists, Engineers, Managers & Facilitators

2002
Acquired Strastra Page ECS

2004
Acquired Austek Engineering and rebranded as SEMF

2007
Acquired John Vroland & Associates

2008
Acquired Tattersall Engineering Consultants

2009
Acquired Earth Air Water (EAW)

2010
ACH Management established in Cambodia and acquired by COVA in 2018

2018
Rebrand to COVA

2019
COVA Haywards

2022
COVA establishes office in Taiwan, Japan and the Philippines

The COVA Way

Stronger Together

Strong relationships are at the heart of everything we do. Both within our own team and with our clients. Clarity, respect and communication are the foundations of our mutual success.

People

Experienced, expert and innovative, it's our collaborative way of working as one big team that drives our continued success.

Problems

We're problem solvers, constantly striving for the highest value, tailored solutions to projects.

Honesty

It's how we deal with challenges and changes in direction collaboratively and honestly that sets us apart as a business.

From Start to Finish

We work with you from start to finish because we care, and we are good to our word

Team & Delivery

Our team is structured to ensure efficient and effective delivery of our projects. We have dedicated resources to manage the delivery of each element of our projects.

Competitive Advantage

Flexible, boutique, adaptive, tailored, customised engineered solutions, not just another cookie-cutter.

Bespoke Value Add

COVA do more than just D&C, we look at the problem and provide unique solutions that align with your objectives, working closely with you throughout the entire project journey.

Experts in bulk handling

We have been actively involved in the design & construction of bulk materials handling projects at mine sites, processing facilities and ports in Australia and overseas for over 35 years.

Here at COVA we are a little different. To every project we work on we bring a wealth of experience from initial concept development through all project phases to the commissioning and operation.

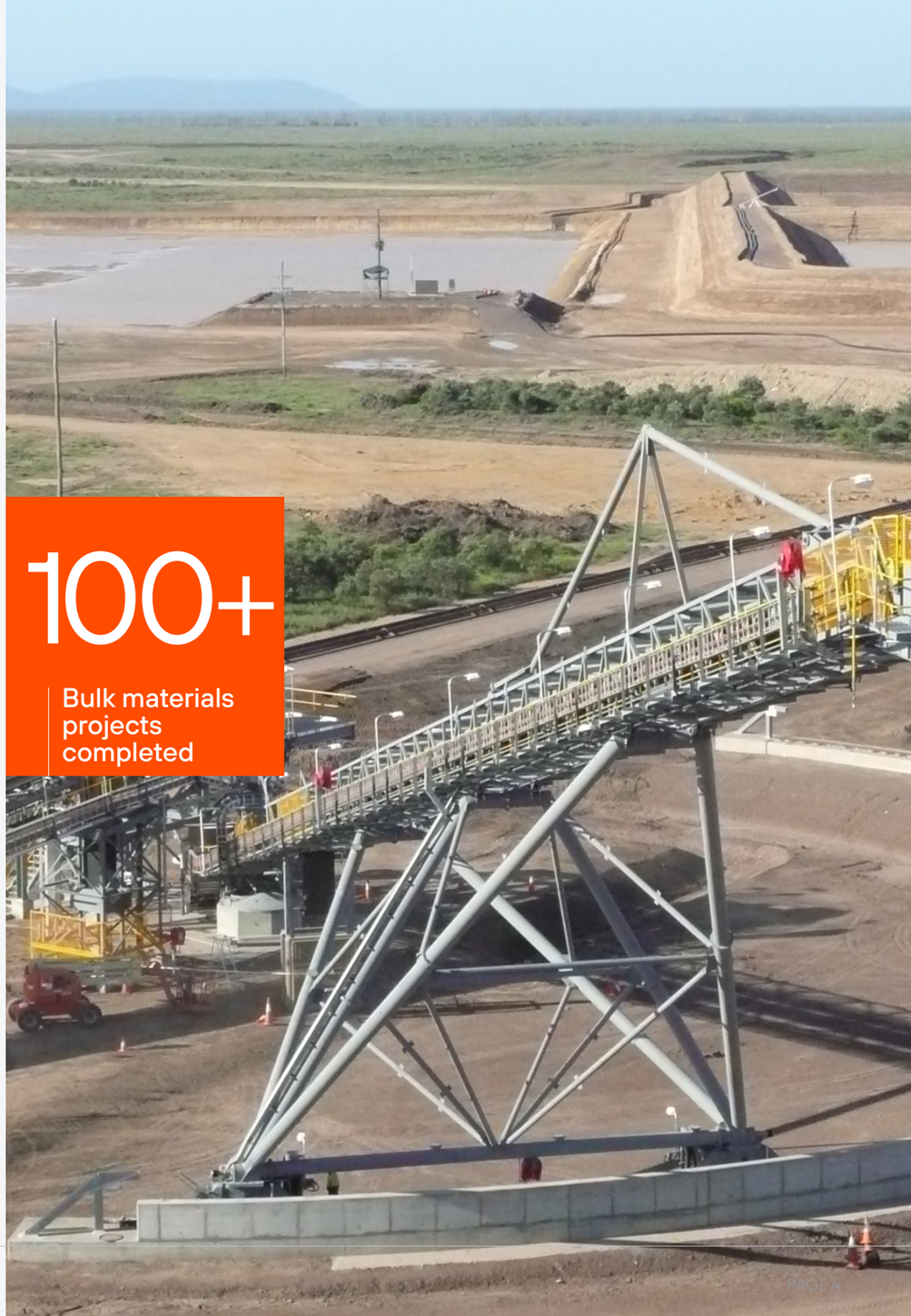
We have the capability and experience to deliver projects from inception through concept development, detailed design, construction and to operation.

Our whole of project experience enables us to consider all aspects of the project and deliver an optimal solution for our clients.

Our team can help drive efficiencies across the board.

If the specific definition of your project isn't fixed yet then our experienced engineering, management and construction team will be able to assist.

We can help you make informed decisions on the most economical and practical solutions for product storage, conveying and ship loading design often leading to cost and time savings along the line.



What we do

Full design service:

From concept design through to building consents and code compliance, we own the whole design cycle, so the entire process is seamless. Our work starts by understanding our customers needs and putting pen to paper to develop concepts and feasibility studies.

Project Management:

We've got the resources to tackle projects of any scale and complexity. Our highly skilled team always complete projects in a collaborative manner and proactively engage with our customers, subcontractors and suppliers to ensure we deliver a product we can all be proud of.

Procurement:

We are highly experienced working under all forms of contracts and can provide our clients with advice to understand what contract is most fit for purpose for their project.

Construction:

Our teams are experienced with all forms of industrial construction. From civil, earthworks and drainage, through to electrical, process equipment and piping, we understand what is required to construct our projects efficiently and safely. Our construction experience is integrated with our full design services to ensure a fully coordinated and complete construction solution is delivered.

Commissioning:

By using both internal experience and external equipment supplier support, we ensure that all of our projects have a well developed commissioning plan that will ensure the operation of the facility is tested and confirmed prior to handover. Where required, part of our commissioning plan would include operator training and handover plans to ensure the knowledge required is transferred to the future operators.

Handover:

Detailed operation and maintenance requirements are provided at handover to enable our clients to manage their new facility. Ongoing support to assist with this process is provided by our local team. From support in the procurement of spares, to assistance with maintenance activities or for future audits and upgrades. We are committed to support the solution that we have delivered.

From design to delivery COVA have you covered

Our in-house team covers all aspects of project delivery

- Management
- Design
- Procurement
- HSEQ
- Project Controls

Safety spans an entire project

Safety is inherent in every project we complete at COVA. It remains a key focus throughout all aspects of our projects.

Our design process is built around the Safety in Design requirements. A key aspect of this process is to identify hazards, assess their risks and implement appropriate mitigation measures. The team at COVA work with our clients in order to establish key safety items by assessing the risks and hazards associated with a Project.

If a HAZOP is required, our team are experienced with the requirements and we are also able to provide facilitators should that be required.

Our safety processes lead to the development of appropriate safety management measures that are implemented throughout the Project design and construction stages.

We promote a safety culture within our team to ensure continual improvement of all our processes.

COVA have obtained Federal Safety Commission accreditation highlighting the level of our systems and processes.

Our bulk handling industries

We offer the full range of discipline services in-house, minimising interfaces by working as a cohesive team.

1. Coal (ROM and washed)
2. Iron Ore (lump & fines)
3. Metal concentrates
4. Mineral Sands
5. Wood Chip (softwood & hardwood)
6. Processing residues
7. Grain
8. Fertilisers/Sulphur
9. Salt
10. Bagasse
11. Talc

Our bulk handling services

	Stackers		Silos & Hoppers
Shiploaders		Transfer Chutes	
	Conveying Systems		Bulk Storage Facilities
		Storage Sheds	

24

Shiploaders and stackers built

We're an extension of your team

From feasibility and planning to design, construction and ongoing operation and maintenance we provide a beginning to end solution.

We are dedicated to a collaborative way of working where open communication sits at the heart of everything we do.

We're one team with one goal and it's this strength through teamwork that has cemented our industry reputation for trust, thought leadership and commercial awareness. Both within our own team and with our clients, strong relationships are key to everything we do. Clarity, respect and communication are the foundations of our mutual success.

We welcome you to COVA and if you have any questions at all, please do not hesitate to get in touch.

Proven experience

It's our ability to focus on working alongside our clients with open communication and mutual respect that drives our continued success.

Our Solutions

We are problem solvers, constantly striving for the highest value, most elegant solutions to large scale projects.

Our honesty

We all know that all projects are subject to change of direction. It's how we deal with it collaboratively and honestly that sets us apart.

Ben Evans

COVA Group Managing Director

Chris Tummon

Project Development Manager

Doug Hall

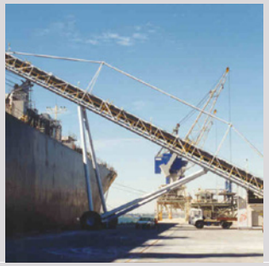
Operations Manager

Conor Hallahan

General Manager (EPC)

Shiploaders

1995
NFP Burnie
TAS



1996
SPE Geelong
VIC

1996
Zinifex Hobart
TAS

1997
VicGrain
Geelong VIC

1999
Onslow Salt
WA

2002
TOLL Albany
WA

2002
EPA Esperance
WA

2006
MGI Koolan Island
WA

2007
DPA Darwin
NT

2008
Kutai,
Indonesia

2009
Corio Quay
Geelong VIC

Stackers

1999
Onslow Salt
WA

2003
Newcrest Telfer
WA

2006
Wilpinjong
NSW

2007
Sonoma
QLD

2008
Lake Vermont
QLD

2009
Mesa A
WA

2009
QBH Coal
QLD

2010
Boggabri
NSW

2011
Kestrel
QLD

2013
Daunia
QLD

2015
Maules Creek
NSW

CASE STUDY

Kestrel Coal Mine

Project Completion: 2012

Project Location: QLD, Australia

Client: Kestrel

The Project:

Our role with the Kestrel Coal Mine in central Queensland was two-fold. Firstly to provide detail design, procurement, on-site electrical construction and commissioning support for an automatic coal stacker and stockyard extension.

Secondly to manage the maintenance and continuous improvement of the Environmental Management System in line with Rio Tinto Environmental Standards.

Being able to manage construction and offer consulting advice is one of the keys to our ongoing success.

For more information, please contact us at info@covagroup.com

CASE STUDY

Maules Creek Coal Mine

Project Completion: 2015

Project Location: NSW, Australia

Client: Maules Creek Coal Mine

The Project:

Our team of expert engineers designed a new 2000tph coal stacker at Maules Creek Coal mine in Boggabri, NSW.

We were also engaged to provide electrical and control system design management and engineering services for two reclaimers.

Our extensive experience in Bulk materials handling was invaluable to hitting both delivery and budget.

For more information, please contact us at info@covagroup.com

CASE STUDY

Newcrest Mining

Project Completion: 2003

Project Location: WA, Australia

Client: Newcrest Mining

The Project:

The Telfer gold-copper mines are located in the Great Sandy Desert in the East Pilbara region of Western Australia. We were commissioned by the owners, Newcrest Mining to design, supply and commission 3 radial stackers.

The project included ore stacking at 2,500tph, automatic stockpiling, luffing, shuttling and slewing.

Every project delivers its unique challenges, it helps when you have encountered them before on similar jobs.

For more information, please contact us at info@covagroup.com

CASE STUDY

QBH Brisbane

Project Completion: 2009

Project Location: QLD, Australia

Client: QBH Brisbane

The Project:

Developing the concept used for the Onslow Salt Stacker to the next level, a double boom coal stacker was designed and constructed for the QBH coal storage facility at the Port of Brisbane.

The dual booms provide ultimate flexibility for depositing coal across the stockpile area enabling reclaiming to occur and individual client stockpiles of coal to be created.

With an impressive 90m from tip to tip and the capacity to create 20m stockpiles over a 185m long travel range this is a large versatile machine fully integrated with coal receival and subsequent reclaim to the shiploader.

Our clients can only appreciate the real value of COVA when we work on a project from the beginning to end.

For more information, please contact us at info@covagroup.com

CASE STUDY

MGI Koolan Island

Project Completion: 2006

Project Location: WA, Australia

Client: Mt Gibson Iron

The Project:

Our client opted to create a team using several designers with proven experience in their field. We worked with the wharf designer and feed conveyor designer to arrive at an optimum shiploader solution within the critical time frame structured to ride on the rising iron ore price. Time was of the essence in order to ensure a rapid cash flow creator for a rising company (Aztec) which was ultimately bought by Mount Gibson Iron.

It was a unique opportunity to work on an abandoned mine site to create a fully operation outloading facility in a remote location off the Western Australian NW coast.

Design had to address the limitations on component shipping as well as the critical timeframe.

We have recently returned to Koolan Island to help get the shiploader operational again after 3 years of lying dormant.

COVA excelled in a situation where innovation was required to meet the design, time and budget constraints.

For more information, please contact us at info@covagroup.com

CASE STUDY

EPA Esperance

Project Completion: 2002

Project Location: WA, Australia

Client: Esperance Port

The Project:

The Esperance shiploader was a unique opportunity for COVA to establish themselves within the booming Iron Ore industry in the early 2000s. At the time, it was our largest shiploader to date weighing in at over 500t.

The innovative design utilized a large diameter greased plate for rotation combined with a special slewing tower structure supporting the main boom. This created a structurally efficient and economic solution to our client's requirements.

Capable of loading Cape size vessels, the boom has a 32m outreach beyond the fenders with a fully enclosed boom to comply with the strict environmental requirements in order to keep the pristine sands on the beaches of Esperance in their shiny white condition.

COVA offered an innovative solution to the Ports requirements for an economical and unobtrusive loader.

For more information, please contact us at info@covagroup.com

CASE STUDY

Nepean Conveyors Boggabri

Project Completion: 2010

Project Location: NSW, Australia

Client: Nepean Conveyors

The Project:

The Boggabri stacker was the sixth radial stacker which we have supplied into the coal industry.

With an overall length approaching 100m it enables the construction of large kidney shaped stockpiles.

These machines fulfil a niche in the market being larger than the various proprietary mobile stackers that are available. They enable the creation of a significant stockpile almost 70m wide and 25m high and their versatility allows them to fit within a variety of tight locations on a processing site.

We have found COVA eager to satisfy our varying requirements and responsive to the issues we have raised.

For more information, please contact us at info@covagroup.com

CASE STUDY

Geelong Port Corio Quay

Project Completion: 2009

Project Location: VIC, Australia

Client: Geelong Port Corio Quay

The Project:

The Corio Shiploader for Geelong Port was developed to utilize a limited space with minimal wharf works to create an outloading facility from an adjacent woodchip stockpile. The works included three outloading conveyors plus the shiploader. The basic shiploader design was an upgrade from the proven capability of the Koolan Island machine which allowed rapid fabrication and transport from our fabrication partners in Launceston.

Comissioning of the system was handled with particular care and preplanning resulting in all milestones being achieved earlier than anticipated.

For more information, please contact us at info@covagroup.com

CASE STUDY

Lascelles Clinker Import Facility

Project Completion: 2021

Project Location: VIC, Australia

Client: Geelong Port Corio Quay

The Project:

We were engaged to Design and Construct a clinker import facility for Geelong Ports at Lascelles wharf.

The import facility services a new Boral facility on adjacent land behind the wharf. It is required to transfer clinker from ships via hoppers and a series of 4 conveyors totally over 600m in length around existing services, structures and access roads.

For more information, please contact us at info@covagroup.com

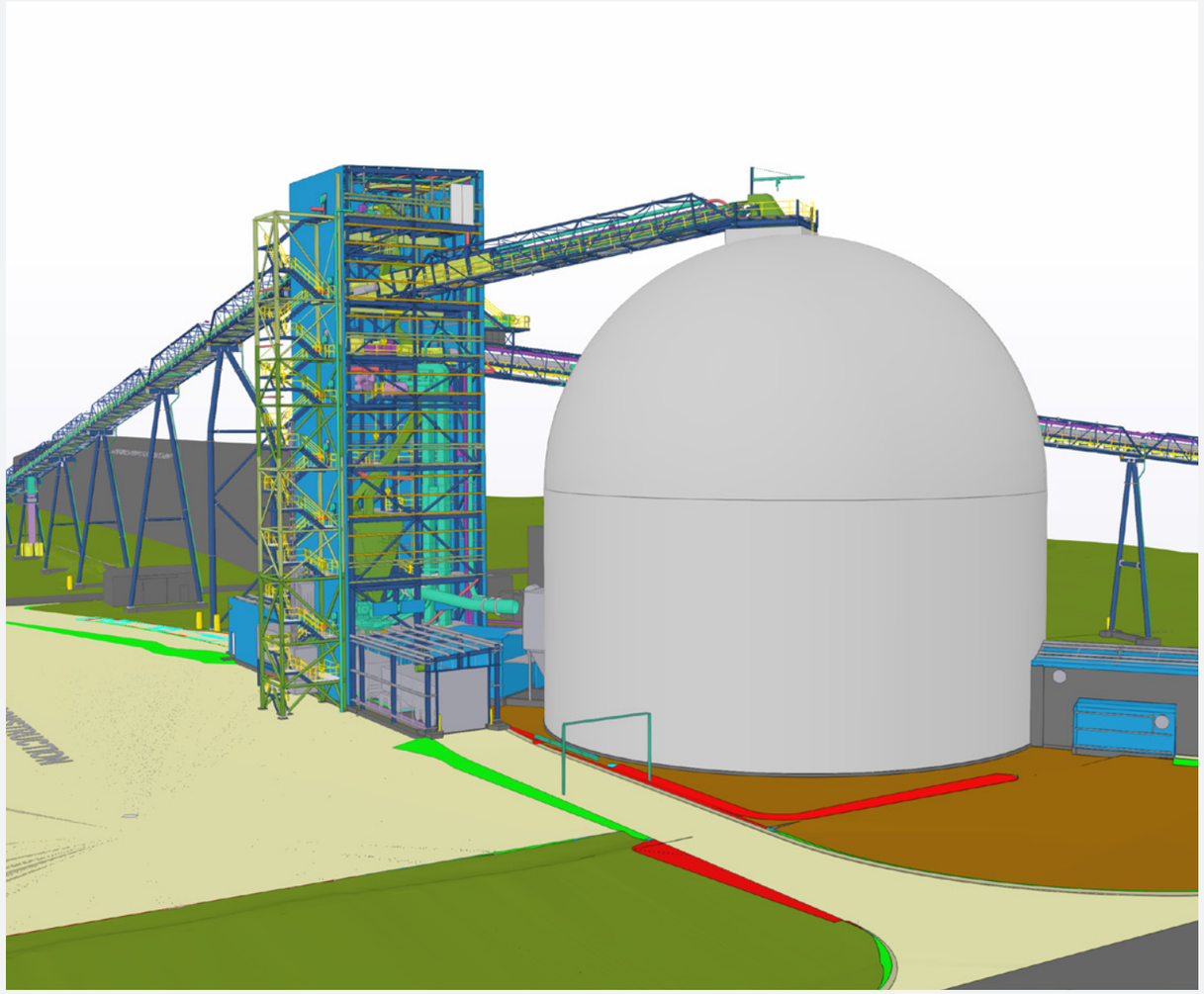
CASE STUDY

Fremantle Clinker Import Facility

Project Completion Due: 2024

Project Location: WA, Australia

Client: Fremantle Ports



The Project:

We were engaged by Fremantle Ports in 2022 to Design and Construct a new clinker import facility to replace and upgrade existing ageing infrastructure.

The project involves import conveyors that can transfer clinker to two clients via a direct conveying system or via a storage and load out facility. The project includes the construction of a clinker storage dome which will be one of the first of its kind in Australia.

The construction and commissioning works are scheduled for completion in 2024.

For more information, please contact us at info@covagroup.com

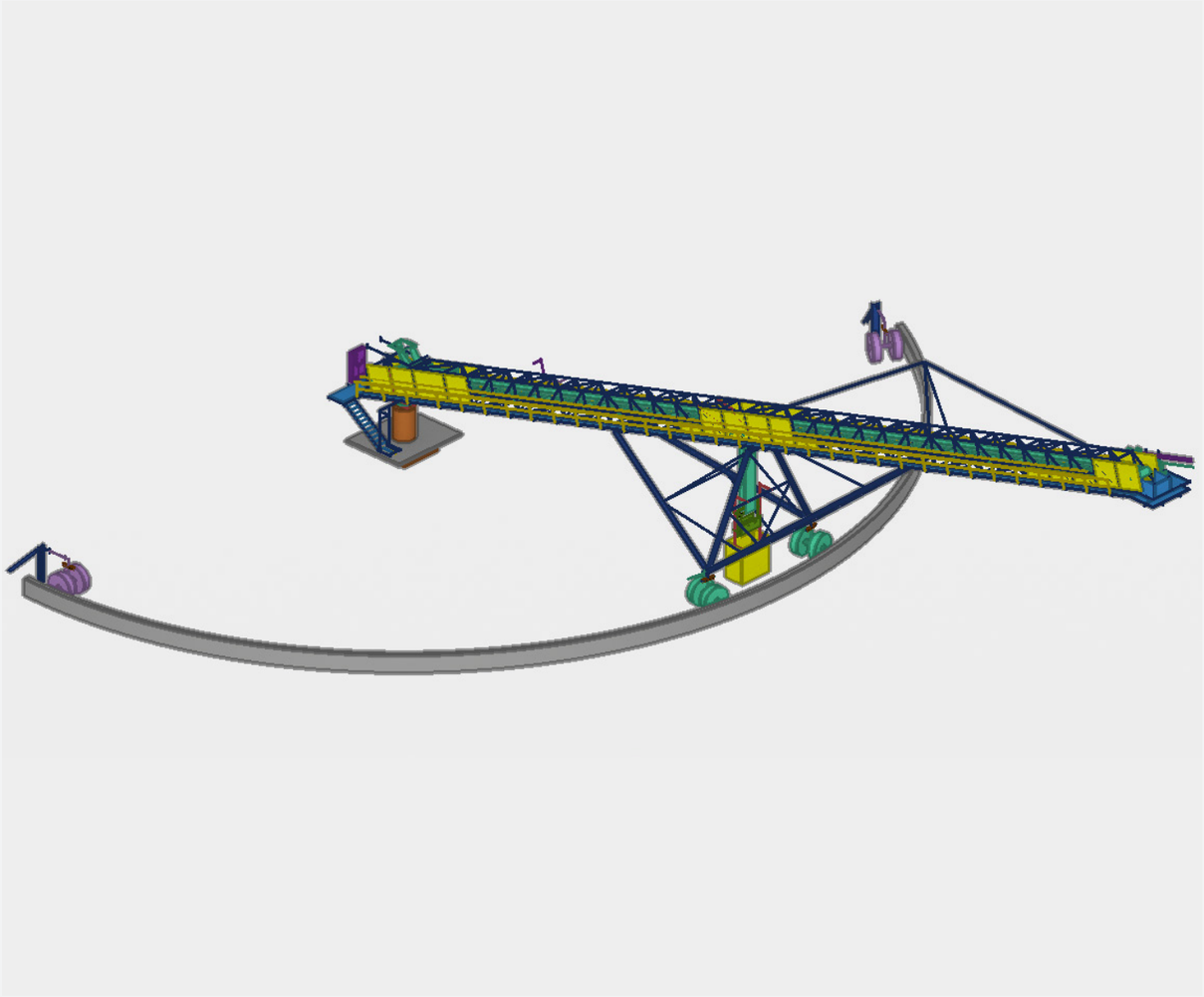
CASE STUDY

Olive Downs Radial Stacker

Project Completion Due: 2023

Project Location: QLD, Australia

Client: Pembroke Resources



The Project:

Sedgman and CPB were awarded the Olive Downs project in 2018. We were successful in 2022 with the competitive tender process for the product coal stackers for the project.

The works include two 66m long radial stackers each of which having dual walkways and running on rubber tyres.

The project is due for completion towards the end of 2023.

For more information, please contact us at info@covagroup.com

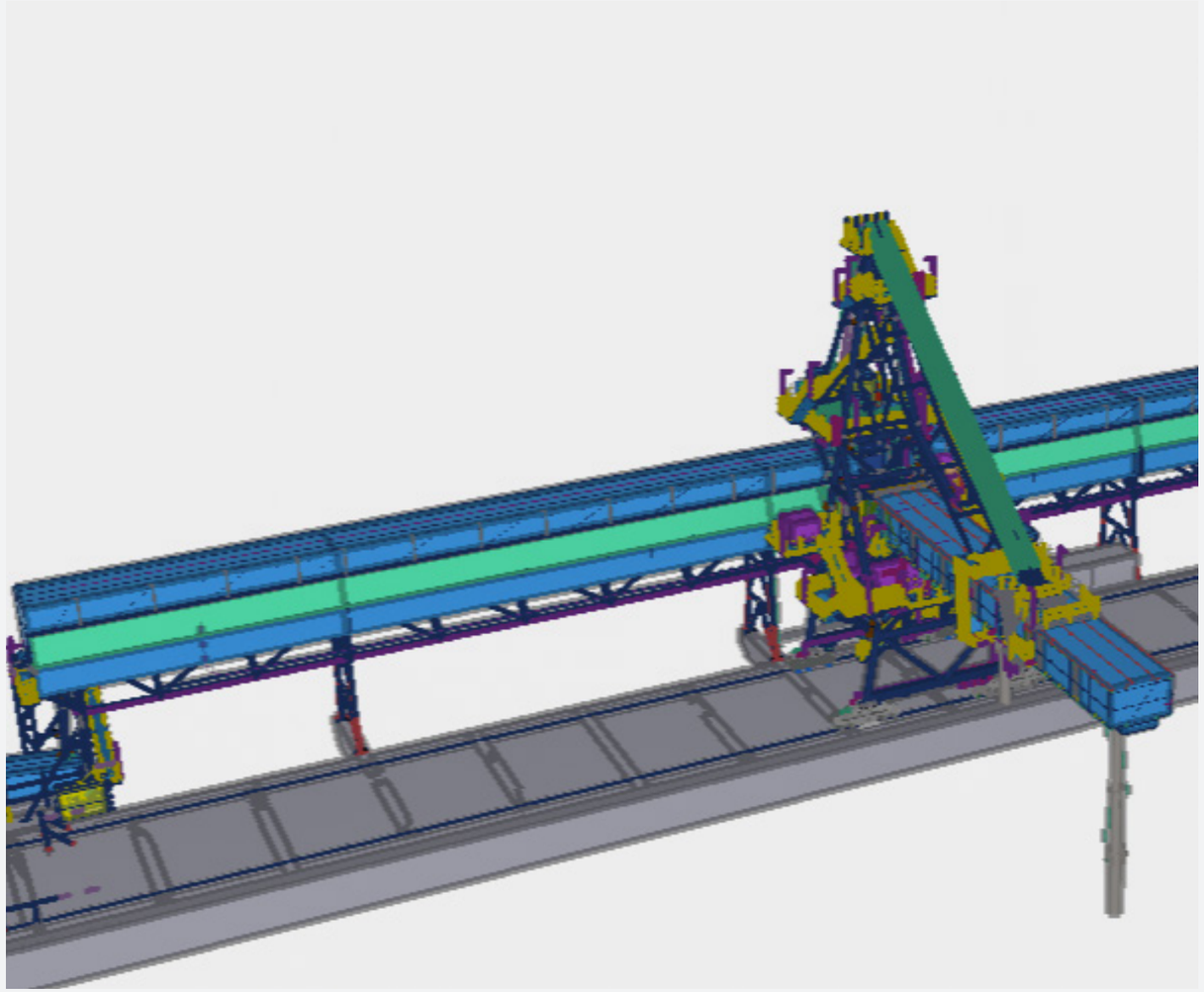
CASE STUDY

Burnie (BMEF) Shiploader Replacement

Project Completion Due: 2023

Project Location: TAS, Australia

Client: Tasrail



The Project:

COVA assisted Tasrail at the early stages of this project with feasibility studies and concept designs. This enabled Tasrail to select a preferred option and progress the project through approvals and obtain Government Funding. We were then successful in winning the competitive tender process for the works which includes reclaim hoppers in an existing storage shed, a replacement of the existing reclaim conveyor, gallery conveyor and shiploader.

Design for the project is complete with procurement and fabrication works currently nearing completion.

Construction and commissioning are due for completion in late 2023.

For more information, please contact us at info@covagroup.com

Some of our achievements

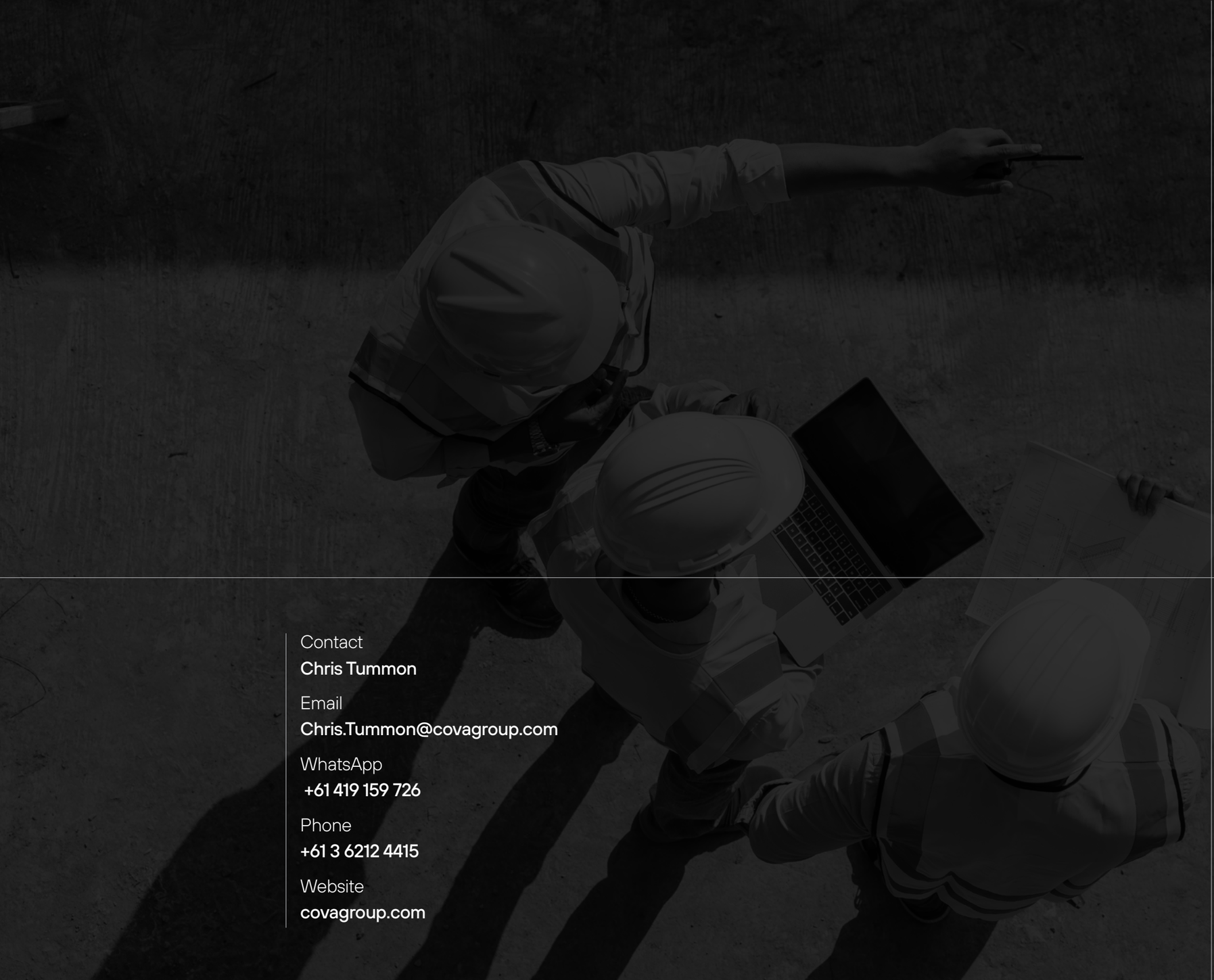
Burnie Facility
1996

NFP Shiploading Facility
1997

PMEZ Shiploader
1997

Colonial Stadium Roof
Operating System
2001

EPA Shiploader
2003



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