



QUANTA SERVICES
AUSTRALIA



OUR HYDROGEN AMBITION

ONE POWERFUL COMPANY

QUANTA SERVICES
AUSTRALIA

THE POWER OF HYDROGEN

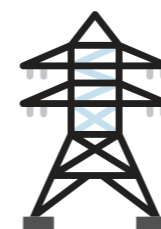
Energy is the foundation of Australia's civilisation. To meet future demands in a sustainable manner the energy mix will change. Hydrogen is becoming central to a net zero future and it's a fast paced and exciting journey. Energy sources such as wind and solar generation or blended gas will deliver the future we need for looking after our world.

Quanta, as a specialist energy contractor in these industries, understands the importance of this. Our operations are already uniquely positioned to provide end to end capability in these energy chains.

We can make energy transformation happen safely. Our integrated offering and understanding of the differing components provides clients a ready service and is our contribution to reducing Australia's carbon emissions.

QUANTA SERVICES AUSTRALIA IS WELL POSITIONED TO PARTICIPATE IN:

**ENERGY INFRASTRUCTURE
HYDROGEN PRODUCTION
EXPORT AND STORAGE**



“The development of our hydrogen resources could enhance Australia's energy security, create Australian jobs and build an export industry valued in the billions. We have all the pieces needed to create this new industry and supply clean hydrogen to the world: the energy resources, expertise, and infrastructure”.

— National Hydrogen Strategy 2019



OUR CORE OFFERING

HYDROGEN PRODUCTION

Quanta teams with OEM specialists to deliver facilities on a 'turnkey type EPC' basis, with the OEM providing the electrolysis equipment and Quanta working with developers to integrate the OEM provided production equipment into a complete facility for green hydrogen production.

As a partner, Quanta can cost, design, construct, commission and manage the complete delivery – including management of the Pre-FID feasibility phase.

Quanta has a non-exclusive partnering agreement in place with Siemens Energy. Together we can support project development in the pre-financial sanction phase and support delivery of a complete hydrogen production facility on a turnkey basis, including any associated power supply or pipeline infrastructure.

HYDROGEN INFRASTRUCTURE CONSTRUCTION

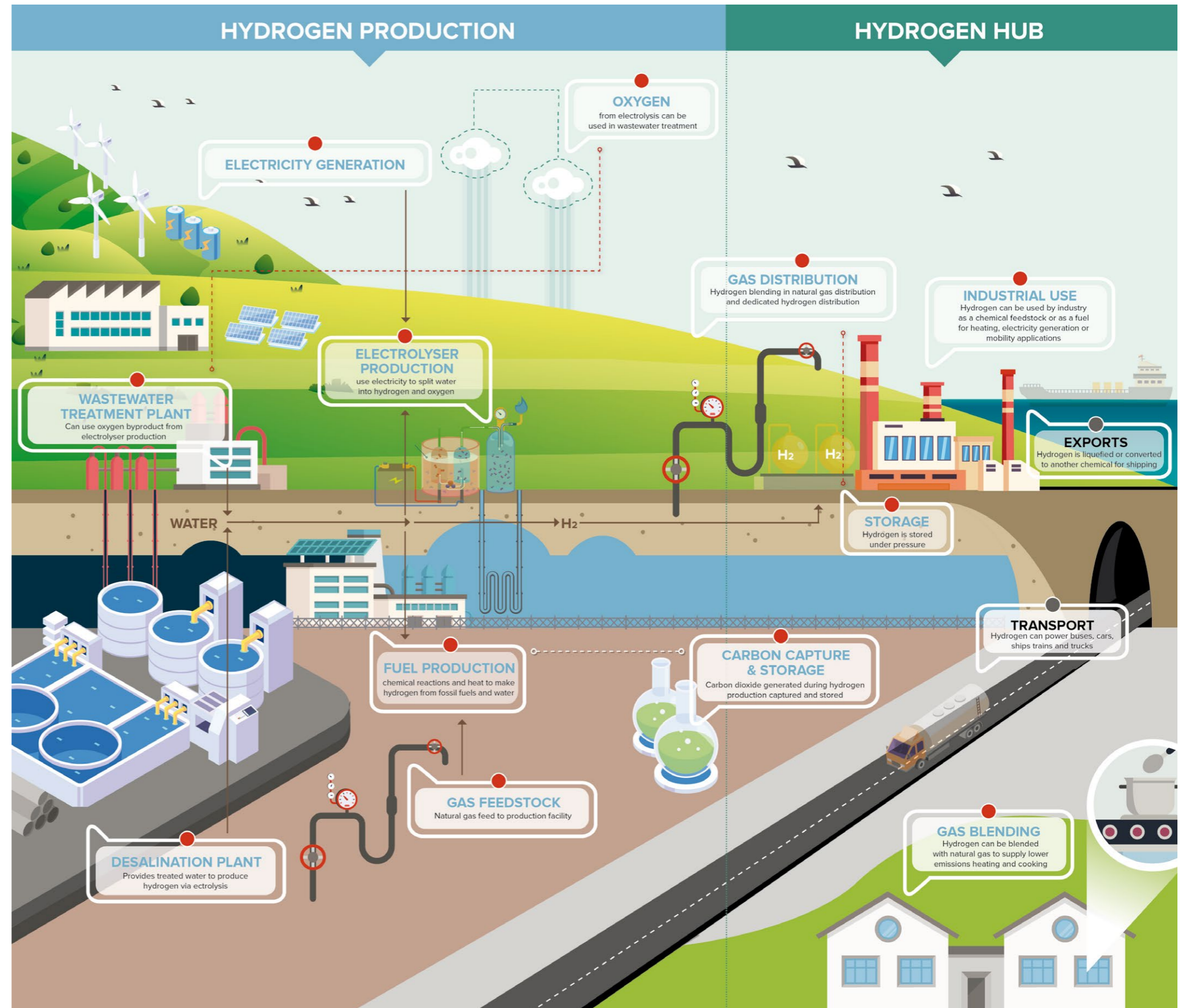
Quanta provides constructability expertise to the emerging hydrogen market. As contractors, we already build the connecting complimentary infrastructure around hydrogen generation both in the green (renewables) and blue (gas) space.

This includes related substations and transmission infrastructure as well as related water and export pipeline infrastructure.

LEGEND

QUANTA CAPABILITY

OTHER



OUR DELIVERY TEAM



ENSCOPE

is a whole of project life-cycle management, engineering and contracting services provider in the delivery of above ground facilities for the high pressure gas industry in Australia – especially in gas compression and gas processing. The skills are very transferable to the hydrogen production industry.

Enscope is able to support all stages of project execution, and has a particular niche in project development leading into FID, management of FEED, procurement, construction and commissioning.



NACAP

is a specialist engineering, procurement and construction (EPC) contractor with over 30 years' experience delivering complex cross-country projects. These include power, pipelines, facilities and civil infrastructure in the oil & gas, power, renewable energy, mining and water industries.

Nacap's services are broad and varied and include civil construction, pipeline installation, hydrostatic testing, mechanical, HV cable installation, roads & right-of-ways, wind turbine foundations, camps, process and facilities construction plus commissioning/decommissioning.

Nacap owns a sophisticated 5.5 hectare equipment facility in Dubbo, New South Wales, which enables design and fabrication of bespoke equipment for environments specific to Australian and PNG terrains. Nacap has the largest specialised fleet of pipeline equipment in Australia.



CONSOLIDATED POWER PROJECTS

is a high voltage electrical engineering and construction company providing full EPC services (design, engineering, construction, procurement, commissioning and maintenance) for electrical infrastructure from 33kV through to 500kV across Australia.

CPP has unrivalled experience of electrical balance of plant for renewable projects (over 5GW), including wind & solar farms and battery storage, and is a preferred supplier panel contractor on all the major Transmission Network Service Providers (TransGrid, Powerlink, AusNet and ElectraNet).



QUANTA LINES

has over 20 years' experience in the design, construction and maintenance of electrical infrastructure. We deliver overhead lines for the electrical transmission industry and both overhead and underground networks for the electrical distribution segment.

Our clients include utilities, renewable energy developers and mining companies. In servicing its markets, Quanta Lines boasts one of the largest fleet of specialised plant and equipment in Australia.



QUANTA POWER

brings together specialisations from across the QSA and global QSI group to collectively deliver on large scale infrastructure construction projects. Quanta Power delivers value through integrating teams, resources and skill sets to achieve significant cost savings for clients.

A VALUE PROPOSITION USING ESTABLISHED CAPABILITIES

Quanta provides the integrated infrastructure around a hydrogen production facility and to the exit point for use. The red indicators in this diagram outline Quanta's current capability and how we would interact with an OEM supplier.

LEGEND

QUANTA PROVIDED

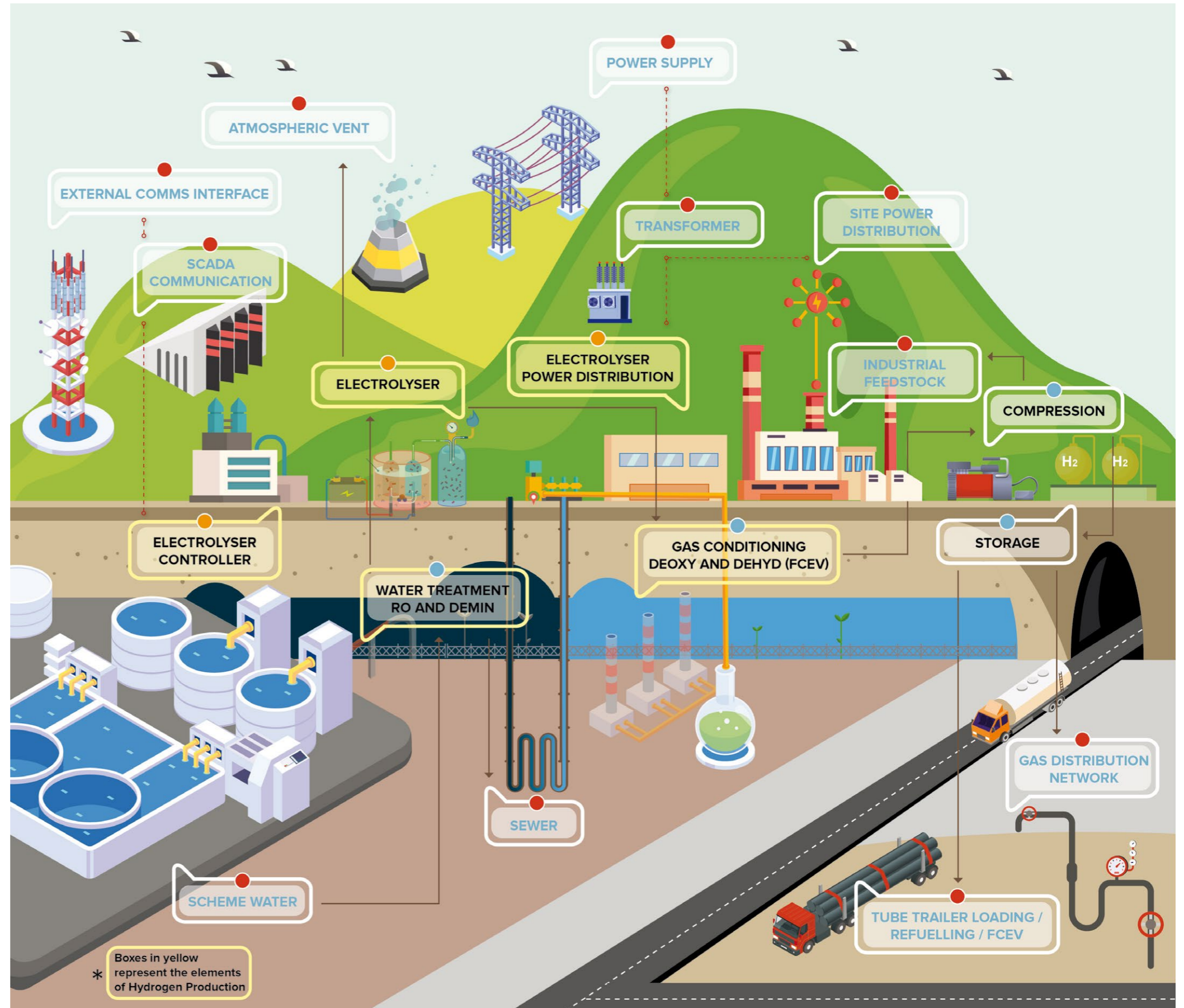
- End user delivery infrastructure
- HV power system integration
- HV powerlines
- Electrical systems
- Site power distribution
- Pipelines
- Communications
- Control and SCADA integration
- Civil, structural, mechanical and piping
- Electrical control and instrumentation
- Power supply and transformer

OEM PROVIDED

- Gas conditioning
- Compression
- Storage
- Mechanical equipment
- Water treatment

OEM ELECTROLYSER

- Electrolyser
- Electrolyser Controller
- Electrolyser PEM Stack
- Electrolyser power distribution



THE QUANTA ADVANTAGE

We collaborate with our customers to provide the best, most comprehensive solutions on projects of any size. We will self-perform the core of our business, delivering cost certainty and safe execution. Every project, every time.

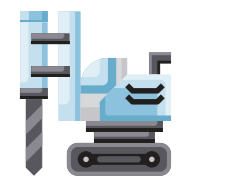
Our project management service combines preparedness with flexibility – and consistent, safe execution on complex jobs. We leverage the skill and depth across our operating companies, supporting customers with a seamless experience from beginning to end.

Since we were founded 20 years ago, we have been driven by a clear set of priorities connecting us to the communities where we work, putting safety in hand with our employees welfare and striving to protect the environment.

While working to meet these evolving infrastructure needs, we believe that by contributing to and collaborating with our people and the world around us, we continue to evolve and grow as an operationally sustainable company.

As our clients continue to search for the best ways to deliver projects safely and sustainably, we will continue to innovate in order to support their initiatives.

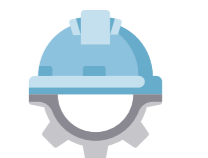
- 2020 ENR #1 Specialty Contractor
- 2020 ENR #1 Electrical Contractor
- 2020 ENR #1 Utility Contractor



63,000
Approx. **63,000** pieces of unmatched specialised equipment resources.



PWR LISTED NYSE #261
NYSE: PWR, S&P 500



+50,000
Quanta has trained more than **50,000** employees at NLC and Advanced Training Center at Lazy Q, ensuring a high level of consistency, productivity and safety on job sites.

2020 FORTUNE 500 COMPANIES

1	Walmart
22	Marathon Petroleum
142	Halliburton
261	QUANTA SERVICES
373	Chesapeake Energy



Quanta's geographic footprint covers the globe and its network of operating units provide local knowledge coupled with international capacity.

#WEARE QUANTA

Quanta is an active industry participant in the Australian Hydrogen Council, Australian Pipelines & Gas Association, and Future Fuels CRC.



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FRONT COVER IMAGE CREDIT: ARENA