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Australia-Korea Critical Minerals and New Energy
Forum

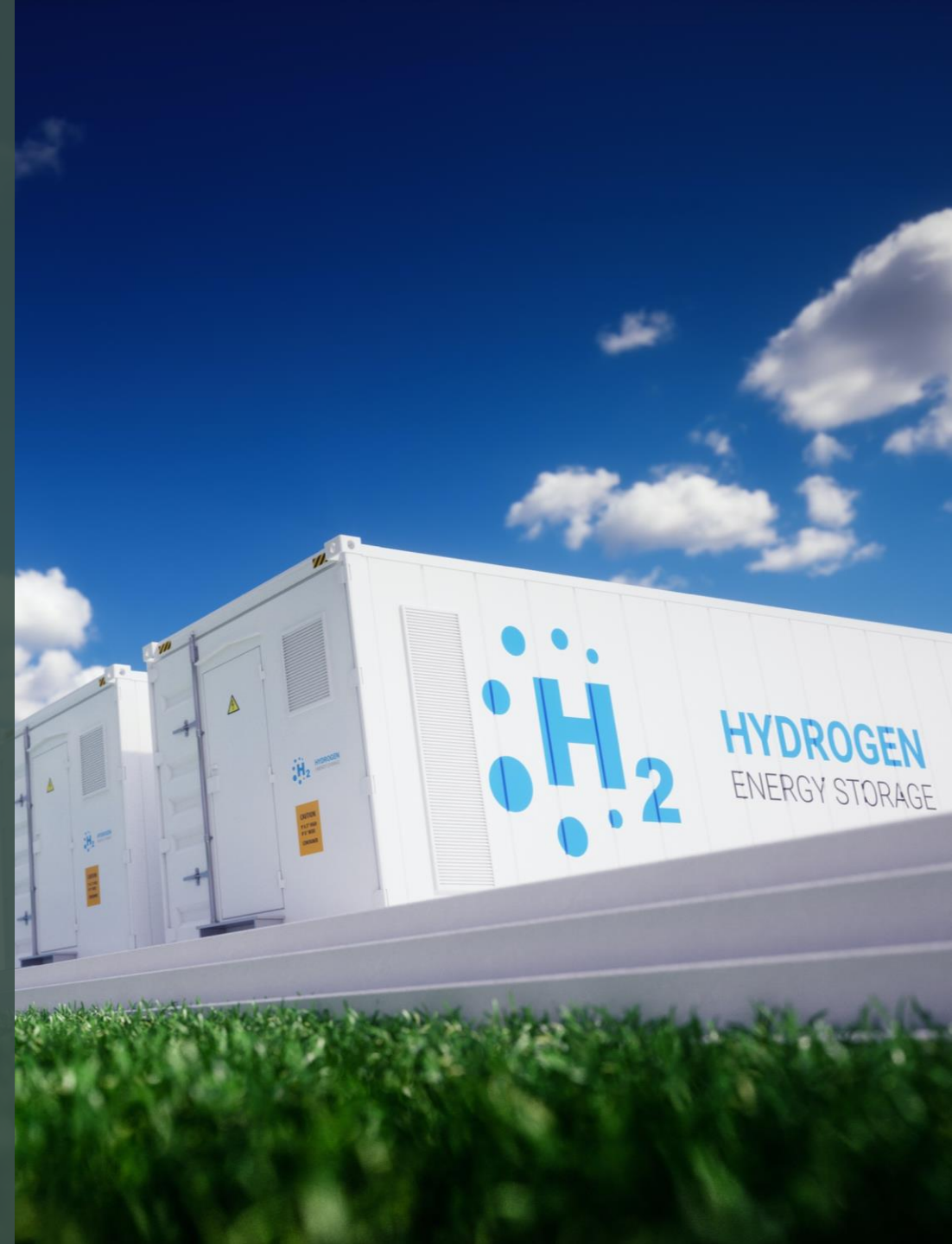
Reciprocal Decarbonisation in Action
for today and beyond

Sydney, Australia

Kyu Hong Lee

30th October 2023

Driving future energy



Presenting Today



Kyu Hong

Lee

Chief Strategy Officer
Elecseed (Brisbane and Seoul)

Kyuhong.lee@elecseed.io

M.A Political Science
(International Relations)

Sungkyunkwan University –
Seoul, Republic of Korea

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Welcome

We are living in a significant time as nations and companies decarbonise their assets to meet aligned global targets and provide for a cleaner future.

Elecseed is a progressive Renewable Energy Developer and Consultancy providing innovation, technical eminence, funding, and multifaceted solutions to deal with the paradigm shift in how we generate, manage, and consume energy.

With offices in Seoul Korea and Brisbane Australia, Elecseed identifies and leads specific market needs, not only to propel our drive to a greener future but also satisfy the immediate economic needs and demands.

We have experience across the Asia Pacific in bringing the right partners to develop solutions across renewables including Photovoltaics, Wind, Hydrogen and Battery Storage technology, leveraging off strategic financial and engineering expertise.

Join us in our tenacious journey to a more sustainable and responsible world, driving the future of renewable energy solutions.

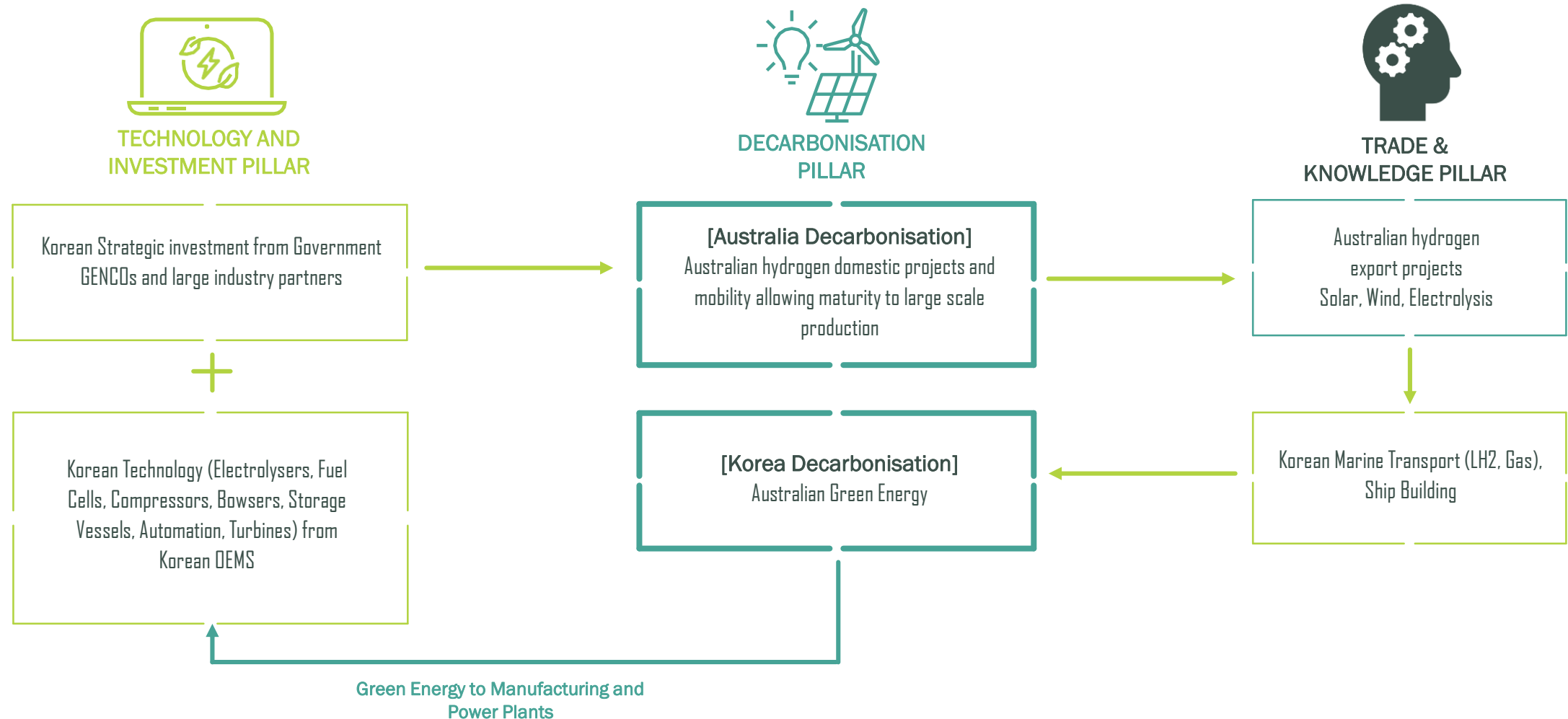


KOREA AUSTRALIA CLOSED LOOP AND ELECSEED

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The "Closed Loop" between our nations – A Unique Reciprocal Opportunity

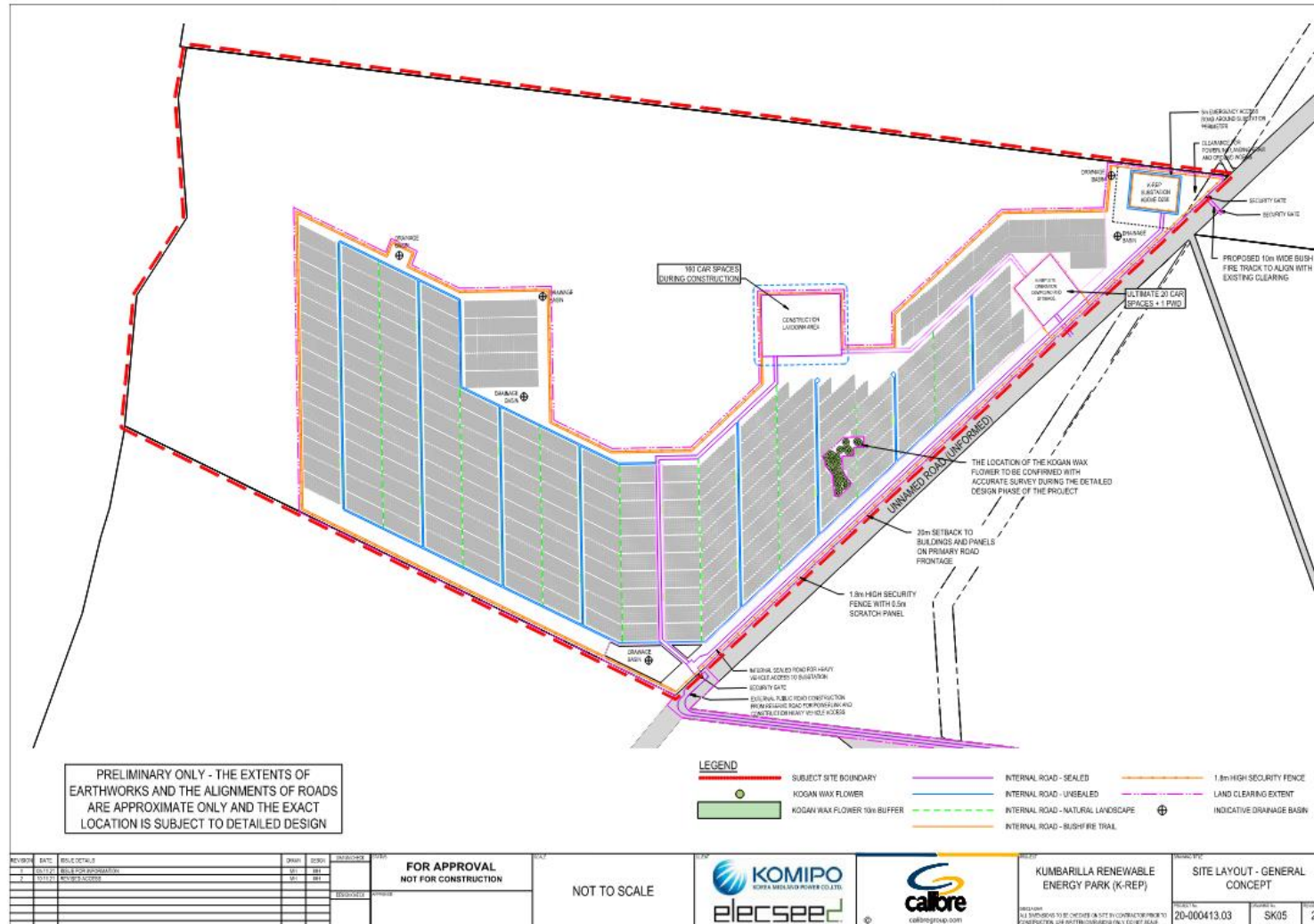


ELECSEED CURRENT PROJECTS

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K-REP Hydrogen Export – Surat Basin, Queensland (Utility)



1st Stage

100MW Solar Farm

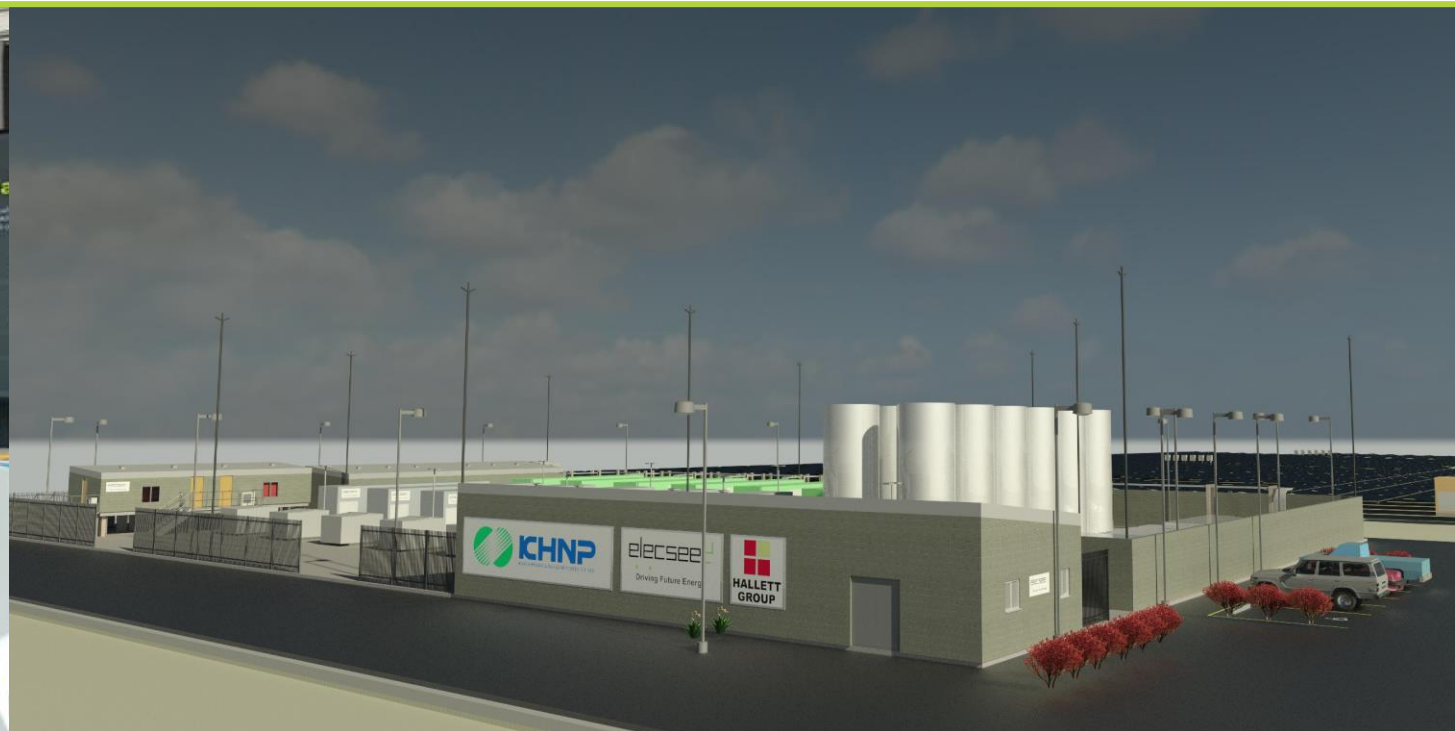
2nd Stage

80MW Hydrogen Plant
and 100MW Solar
Farm

Elecseed and Korean Government
Joint Venture

Adjacent to existing gas line
easements direct to the Port of
Gladstone

Gas Replacement Example, Port Augusta South Australia (Industry)



Green Hydrogen Project



Cement Drying Process



Green Hydrogen made on site

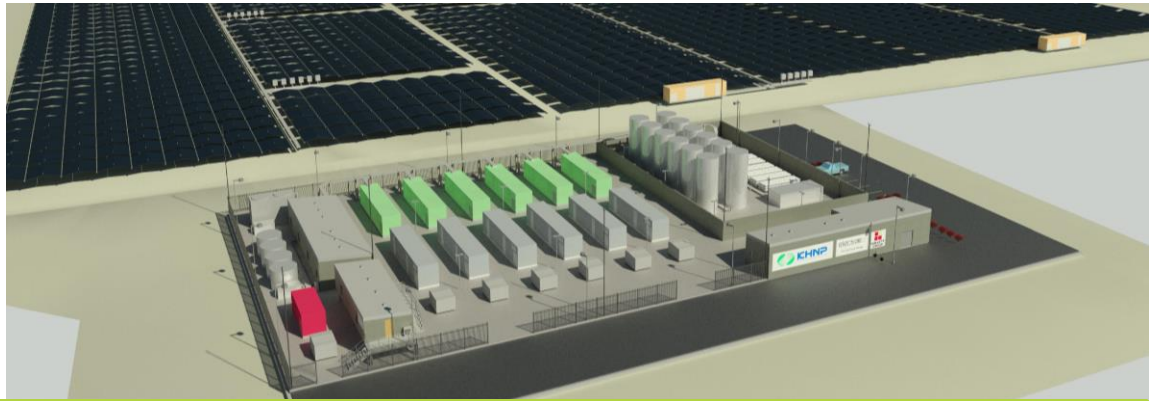


Korean Technology and Strategic Investment

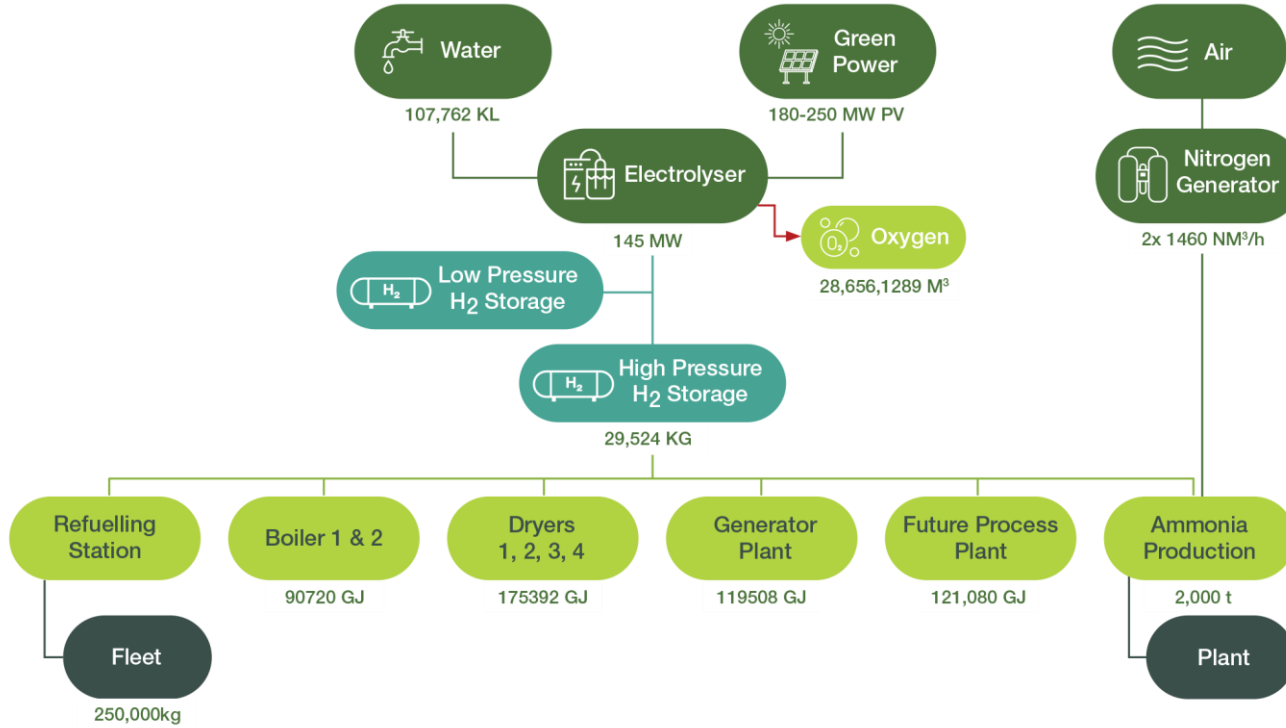


Global First

Gas Replacement Example, Port Augusta South Australia (Industry)

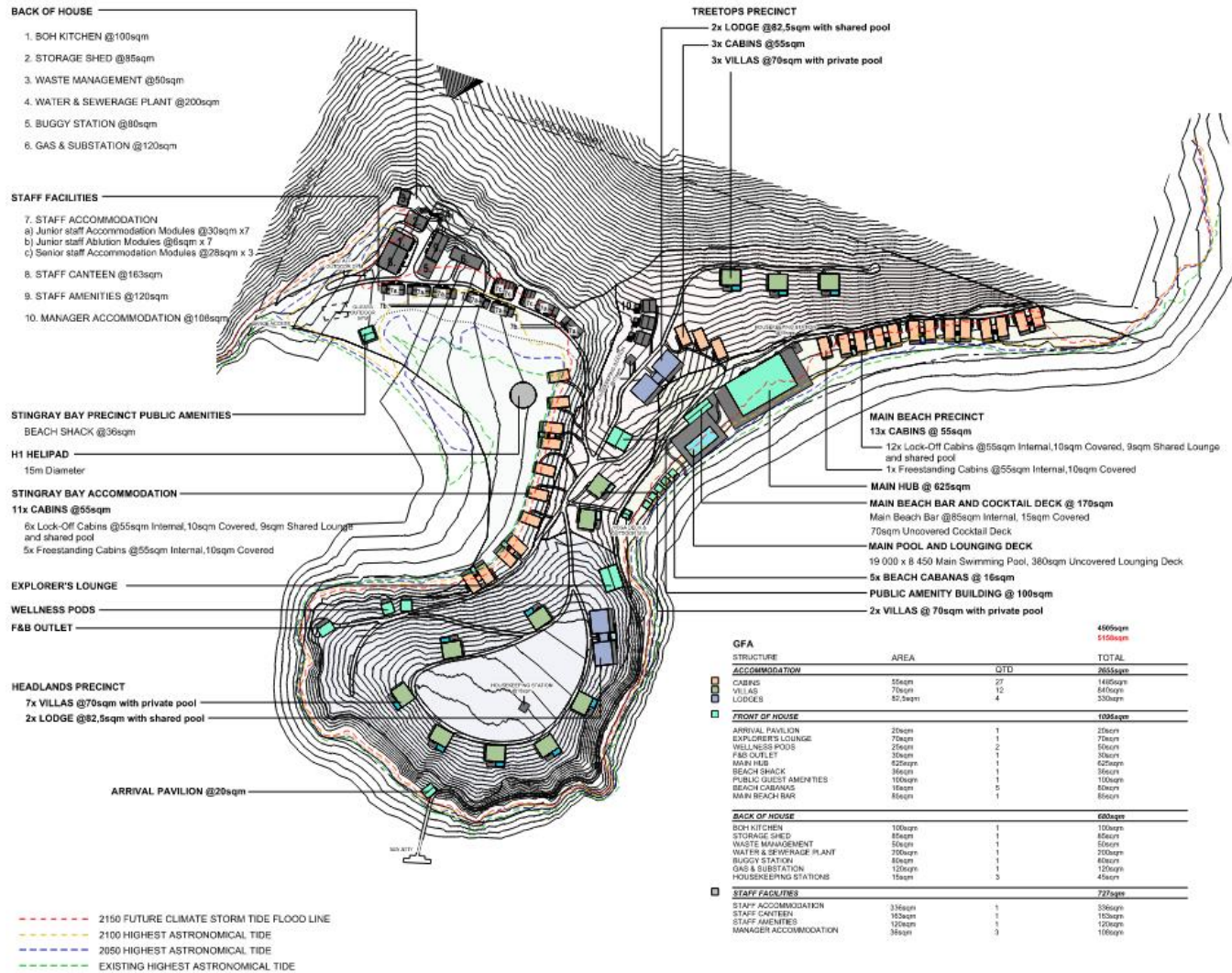


Feedstock Agricultural Sector – Central Queensland (Agriculture)



Hydrogen to Replace LPG in Drying Grain to Feed Cattle

Hook Island – Barrier Reef Queensland (Tourism)



Hydrogen Supply Chain Research Project (Logistics)

매일신문

PICK ①

3년간 21억원 정부지원금 ‘한국-호주간 액체수소 수출입 터미널’

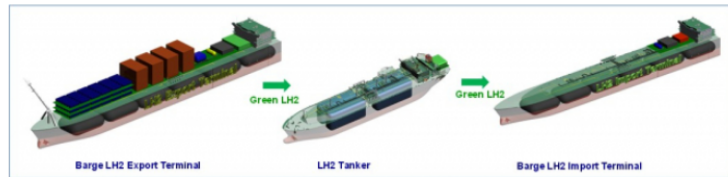
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권성훈 기자 >

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가

(주)래티스테크놀로지 주도 한국 4개사와 호주 2개사로 구성된 컨소시엄
이규홍 일렉시드 대표 “호주의 자연이 우리나라 발전소가 될 것”



호주의 수출터미널과 액화 그린수소 전용선 그리고 한국의 수입터미널 개념도. (주)래티스테크놀로지 제공



KAIST Hydrogen Research Project

Elecseed are involved in Research consortium in conjunction with the Korean Advanced Institute of Science and Technology (KAIST), Lattice Technology as well as others to undertake research into the Liquid Hydrogen supply chain.

The consortium's "Basic Design of the Liquid Hydrogen Import and Export Terminal" was selected as an international joint study in the field of hydrogen supply chain between Korea and Australia by the Energy Technology Evaluation Institute under the Ministry of Industry and Rural Resources and will receive a government grant of 21 billion won over the next 3 years.

The technology development project includes the installation of standardised export terminals in Australia and import terminals in South Korea respectively, and the transportation of hydrogen carriers back and forth between the two terminals. Lattis Technology Co, Ltd. has been developing a dedicated carrier for liquid hydrogen for some time.



- Korean Government Funded over 3 Years

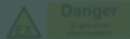
- International Consortium

- Award Winning in Korea

OPPORTUNITIES TO COLLABORATE WITH ELECSEED

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H2



Collaboration with Elecseed

Opportunities

- Co-Development on New Renewable Opportunities
- Power Purchase Agreement Offtake (PPA) on the K-REP Solar Farm and future projects
- Asset Management Opportunities on the K-REP Solar Farm and future projects
- Partnerships and Joint Ventures for Australian Renewable market

Why Choose Elecseed

Experience

Our team have extensive experience in energy related services and renewables, with degree educated staff who are passionate about the decarbonization era we are living in. We believe in what we do.

Service

Our service is second-to-none. With our directors having over twenty-five years in the business, we understand the needs of our clients and believe that the relationship between us is the most fundamental aspect of our business. It's Imperative in fact, because life is about people. From start to end, we consult with our clients to ensure that the service provided meets and exceeds their expectations.

Flexible and agile

Elecseed is a privately owned flexible and agile business. We can make quick decisions, are not ridged in our business methods, welcome collaborative solutions to problems, whilst always strive to learn new ways.

Quality

We try endlessly to produce our work to the highest possible standard, not just meeting but exceeding expectations.

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Thank you
감사합니다



H_2 HYDROGEN
ENERGY STORAGE

Driving future energy

International Offices

Elecseed have offices in both the Republic of Korea and Australia. We work closely together and bridge the two nations, connecting investment, technology, skills, common goals, research and overall collaboration. We work from central modern facilities and welcome you to contract or visit our offices in Brisbane and Seoul.

Australian Office

310 Edward Street
Brisbane City
Qld, 4000
Australia

T: +61 (0)416 029160
brisbane@elecseed.io

Korean Office

9-4 Dongpangyo-Ro 52 Gil
Seongnam, 13535
Korea

T: +82 10 9045 7413
seoul@elecseed.io