



## Urea Manufacturing Facility Binding Heads of Agreement

Leigh Creek Energy Limited (LCK, or the Company) announces that it has entered into a binding Heads of Agreement with leading South Korean engineering and construction company, DL E&C Co., Ltd. (part of the DL Group) to exclusively negotiate terms of a proposed agreement for the Feasibility Study, FEED and EPCC, for which Finance will be arranged by LCK and/or DL E&C.

### Highlights

- Execution of the binding Heads of Agreement (HoA) grants DL E&C Co., Ltd. (DL E&C) an exclusive right to negotiate the terms & conditions of the proposed agreement (Agreement) by 31 May 2021.
- Under the HoA, DL E&C and LCK agree to settle the Agreement terms by which DL E&C will become the Engineering, Procurement, Construction, and Commissioning (EPCC) contractor.
- Under the Agreement DL E&C will be contracted for the Feasibility, Front End Engineering & Design (FEED) stages, the EPCC contract and start-up of the urea manufacturing facility will be exclusively negotiated between the two parties.
- Under the Agreement, DL E&C with LCK's assistance will arrange the required finance for the turnkey price of the urea manufacturing facility from mainly Korean financial institutions.
- DL E&C is a leading global engineering, procurement and construction contractor with deep technical expertise and corporate capability to partner with LCK.
- Once the Agreement is finalised LCK will retain 100% ownership of the Leigh Creek Energy Project (LCEP).
- The LCEP will be the only fully integrated urea production facility in Australia, with all inputs for low carbon urea production on-site. The project has strong economics with a Pre-tax leveraged Net Present Value (NPV) of A\$3.4 billion, and an Internal Rate of Return (IRR) of 30%.

### About DL E&C

Incorporated in 1939, DL E&C (former Daelim Industrial Co., Ltd.) is the flagship company of the DL Group, which consists of thirteen affiliates. As a leader in the construction sectors in Korea, DL E&C provides a wide variety of products and services.

DL E&C has successfully completed more than 600 projects of construction, civil engineering, and plant projects in thirty five countries worldwide. It has been recognised for its technical leadership and strong competitiveness in the global market.

In its early history DL E&C made major contributions to Korean landmarks and iconic buildings including Korea's artery road, Gyeongbu Expressway, Seoul Metropolitan Subway, POSCO, National Assembly Building, Seoul Olympic Main Stadium, Gwanghwamun Square and Yi Sun-Sin Bridge.

Since its first overseas project in 1966, DL E&C has played a pioneering role in penetrating overseas markets. Beyond the traditional roles of design and construction, DL E&C is including project exploration, planning, investment, financing, construction, and operation in its portfolio and building a foundation to grow as a leading developer.

Currently, DL E&C is undertaking projects in global markets including the U.S., Saudi Arabia, Kuwait, China, Vietnam, Singapore, and Brunei. Refer DL E&C website for further information: <http://www.dlenc.co.kr/eng> and appendix to this release.

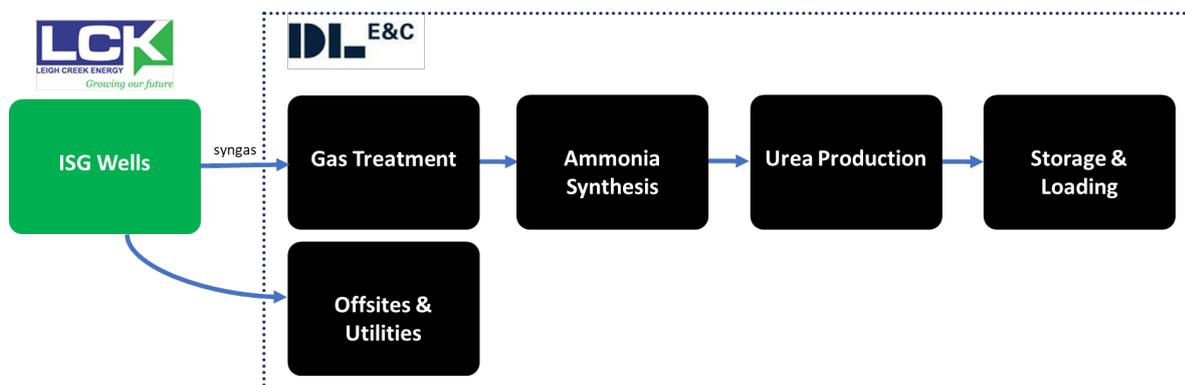
**LCK Managing Director Phil Staveley commented as follows:**

*"This HoA is a major milestone for LCK as we are partnering with a leading global organisation with huge experience. We have chosen DL E&C from a pool of contenders as we are confident that they can deliver a first class urea production facility which will employ the latest innovative technology and that they will be a reliable partner."*

*Construction of the LCEP plant will create thousands of South Australian jobs during construction, commissioning and operation."*

### Scope of Work

The HoA gives exclusivity to DL E&C to settle the EPCC contract terms and conditions with LCK under the Agreement. The contract scope covers the Feasibility Study and FEED (gated by FID), the EPCC on a turnkey lump sum basis. Financing for the components of the LCEP will be broadly allocated between LCK and DL E&C per the diagram below.



### Agreed Principal Terms

The HoA executed by DL E&C and LCK outlines the principals for the Feasibility Study, FEED, Engineering, Procurement, Construction, Commissioning and Financing Arrangements for LCK's urea manufacturing facility to be included in the final Agreement. The primary agreed principals are as follows:

- DL E&C will manage the LCEP Feasibility Study and FEED for FID. Once FID is made, DL E&C will lead engineering and construction of ammonia and urea production infrastructure.

- Under the Agreement, DL E&C with LCK's assistance will arrange the required finance for the turnkey price of the urea manufacturing facility from mainly Korean financial institutions.
- Once the Agreement is finalised LCK will retain 100% ownership of the LCEP.

## LCEP Commercial Development

The chart below tracks LCK's commercial development milestones for its downstream development plan. Execution of the HoA accelerates LCK towards completion of the EPC, Feasibility Study and FEED milestones. Once the Agreement has been settled and DL E&C commences work, these milestones will be in progress.

### Downstream Commercial Development



The Board of Leigh Creek Energy Limited authorised this announcement to the ASX.

### Further information:

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## About Leigh Creek Energy

The Leigh Creek Energy Project (LCEP) is Leigh Creek Energy's (ASX:LCK) flagship project, developing low-cost nitrogen-based fertiliser for local and export agriculture markets. Located in South Australia, 550 kilometres north of Adelaide, the LCEP will initially produce 1Mtpa (with potential to increase to 2Mtpa) of urea using LCK's 1,153PJ 2P gas reserves.

The \$2.6 billion LCEP will be one of the biggest infrastructure projects of its type in Australia, providing long term economic development and employment opportunities for the communities of the Upper Spencer Gulf region, northern Flinders Ranges and South Australia.

The LCEP will be the only fully integrated urea production facility in Australia, with all inputs for low carbon urea production on-site. Average nominal operating cost are forecast to be \$109 per tonne which is within the lowest cost quartile of the global urea production cost curve. Pre-tax leveraged Net Present Value (NPV) is A\$3.4 billion, with an Internal Rate of Return (IRR) of 30%.

LCK has a comprehensive environment, social and governance strategy. It has produced syngas within all approved environmental parameters set by the regulator and will be carbon neutral by 2030.

**Resource Compliance Statement**

The information in this announcement that relates to the 2P Syngas Reserve was detailed in an announcement lodged with ASX on 27 March 2019 and is available to view at [www.lcke.com.au](http://www.lcke.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in that announcement and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. All estimates are based on the deterministic method for estimation of petroleum resources.

# October 10, 1939

Foundation

# 6,619

Number of Employees

Major Financial Status | The Highest Profit Achieved Since the Foundation

# USD 976 million

Profits Total Asset

# USD 8,378 million

Sales

# USD 11,613 million

Total Asset

Credit Rating | The Only Korean Construction Company  
with International Credit Ratings

# Baa2

International / Moody's (Stable)

# AA-

Domestic /

\* K-IFRS consolidated basis as of the end of 2019.

\* Credit rating: Korea Credit Rating, Korea Company

Rating, NICE Credit Rating

# BBB

International / S&P (Stable)

Global Projects

# 35

Countries

# 600+

Projects

Since entering the Vietnamese market in 1966 and entering the overseas market for the first time among Korean construction companies, Daelim has established itself as a 'global company' by conducting more than 600 projects in 35 countries.

Daelim Will Advance to the Global Top-tier  
with Creative Innovation and Challenge

35 COUNTRIES

600+

PROJECTS

- |                          |           |                      |             |           |
|--------------------------|-----------|----------------------|-------------|-----------|
| Algeria                  | Bahrain   | Bangladesh           | Brunei      | Cambodia  |
| China                    | Egypt     | Eritrea              | Hong Kong   | Hungary   |
| India                    | Indonesia | Iran                 | Iraq        | Japan     |
| Jordan                   | Korea     | Kuwait               | Libya       | Malaysia  |
| Nepal                    | Oman      | Pakistan             | Philippines | Qatar     |
| Republic of South Africa | Russia    | Saudi Arabia         | Singapore   | Sri Lanka |
| Taiwan                   | Thailand  | United Arab Emirates | U.S.A.      | Vietnam   |

**Daelim Will Stand Out as a Global Lead Developer  
Based on Its Competitiveness in the Field of  
Construction and Petrochemicals.**

Based on its competitiveness and core competencies in the construction and petrochemical industries, DAELIM is expanding its business area into a Global Developer that provides solutions for the entire process of planning, investment, construction, operation, and management by excavating projects directly.

# GLOBAL LEAD DEVELOPER

**Planning &  
Investment**

**Engineering &  
Construction**

**Operation &  
Management**

**Construction**



Civil



Housing & Building



Plant

**Petrochemical**



**Petrochemical Unit**

Polyethylene (460KT)  
EPO (5KT)  
Cariflex

Polybutene (200KT)  
Daelim FrC



**Yeochun NCC**

Ethylene (1,950KT)  
SM (290 KT)  
BD (240 KT)

Propylene (1,110KT)  
BTX (780 KT)



**PolyMirae**

Polypropylene (730KT)

# PETROCHEMICAL DEVELOPER



## Cariflex Business Acquisition, USA

In 2020, Daelim Industrial entered the high-value synthetic rubber and latex market in earnest by acquiring the Carriflex business of Creighton. As a result, the company secured not only original technologies including Cariflex's Brazilian production plant and Dutch R&D center, but also sales organizations and goodwill in the United States, Germany, Belgium, Japan, and Singapore.

Daelim Industrial plans to establish a new ecosystem for medical materials in Korea by localizing medical materials and establishing new domestic production plants.

## Amiral PIB Project, Saudi Arabia

Daelim Industrial is pursuing a project to operate a polyisobutylene plant in Saudi Arabia. We plan to build and operate a world-class plant capable of producing 80,000 tonnes of polyisobutylene per year in the Petrochemical Complex in Jubail, eastern Saudi Arabia.



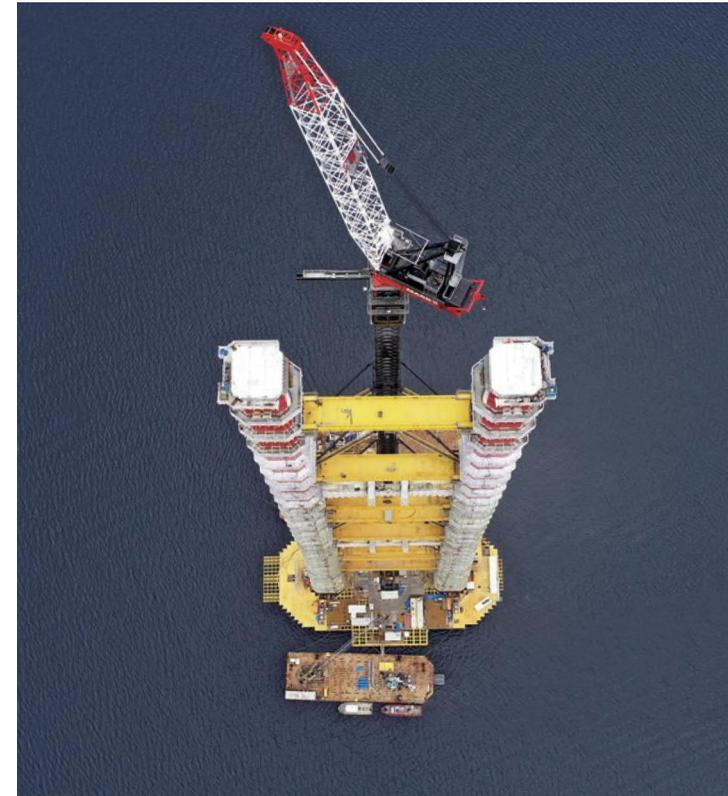
# CIVIL INFRASTRUCTURE DEVELOPER

## Canakkale Bridge Project, Turkey

Canakkale Bridge is the world's longest suspension bridge that connects Asia and Europe across the Dardanelles Strait in Turkey. Daelim Industrial is one of the major sponsors

and lead EPC Contractor overseeing development, financing and operation as well as execution of EPC turnkey (Engineering, Procurement, Construction).

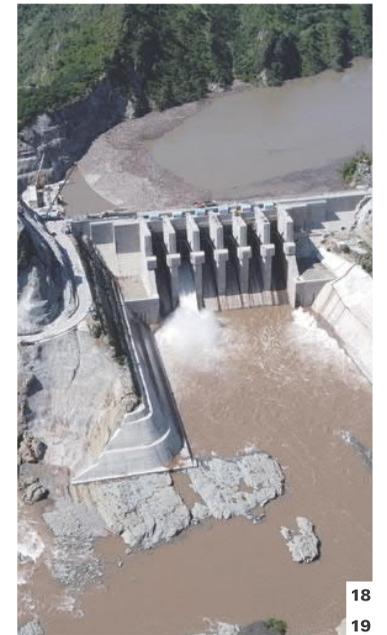
The project will have concession period of 16 years and 2 months including construction and operation of the bridge with minimum traffic guarantee.



## Gulpur Hydropower Plant Project, Pakistan

Gulpur Hydropower Plant Project, located in Kashmir region of Pakistan, is constructed to supply electricity generation of 456 GWh per annum.

The project was developed by Daelim Industrial Co., Ltd in joint investment with KOEN under IPP scheme for the revenue stream of 30 years during the operation period after the construction.



# HOUSING & BUILDING DEVELOPER

## Acro Seoul Forest, South Korea

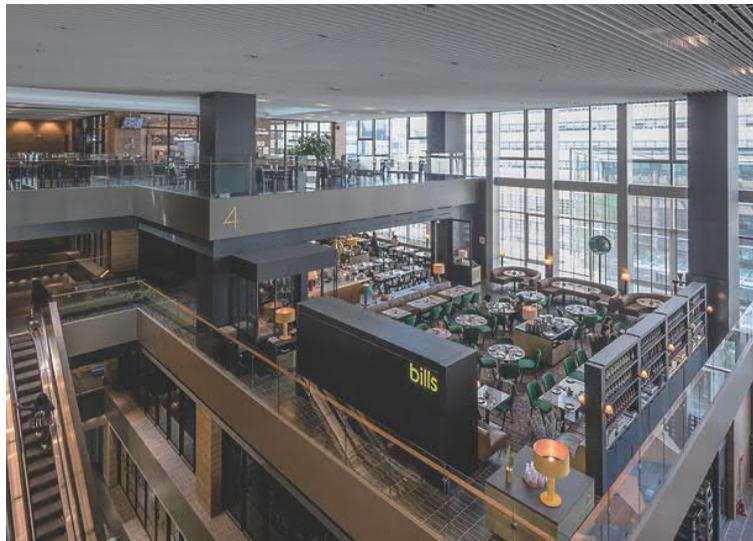
The Acro Seoul Forest project presented a new paradigm of high-end residential complexes that are ‘mixed-use of residential, culture and business’.

With this Acro Seoul Forest project, Daelim Industrial leads this project as a developer that in charge of the initial project review, construction and operation management.



## D-Tower, South Korea

One of the most popular places to visit in Seoul, D-Tower is a platform that reflects the newest gourmet trend in Korea. Enticing landmark of Gwanghwamun, D Tower is an urban complex that consists of offices, restaurants with variety of concepts, cafés, pubs, and retail shops. With an open-air cultural space, D Tower consists of relaxing and welcoming atmosphere mingled with pleasant office environment. Daelim Industrial performed all stages of the development project from planning to building management. D-Tower is composed of 80,000 m<sup>2</sup> of prime-class of business facilities and 20,000 m<sup>2</sup> of premium sales facilities with an indoor terrace.



## FINANCIAL PERFORMANCE

SALES

USD	<b>8,378</b> million	2019	Sales	Sales & Operation Profits
USD	<b>9,487</b> million	2018		
USD	<b>976</b> million	2019	Operating Profits	
USD	<b>730</b> million	2018		
USD	<b>6,902</b> million	82.4 %	Construction	2019 Sales by Divisions
USD	<b>963</b> million	11.5 %	Petrochemical	
USD	<b>513</b> million	6.1 %	Others	

ORDERS

USD	<b>5,836</b> million	2019	New Orders	New Orders & Order Backlogs
USD	<b>7,591</b> million	2018		
USD	<b>18,402</b> million	2019	Order Backlogs	
USD	<b>18,853</b> million	2018		
USD	<b>896</b> million	15.4 %	Civil	2019 Orders by Divisions
USD	<b>3,799</b> million	65.1 %	Housing & Building	
USD	<b>1,141</b> million	19.6 %	Plant	

## CIVIL BUSINESS

### 2,023 m

The world's longest suspension bridge (L=2,023m)

### No. 1

No. 1 in Korea, Retains the track record and technology for the construction of the world's longest suspension bridge

### 1-2-3

Competitive experience in construction of 1-2-3 pylon suspension bridge

### 221

The world's largest port facility, Caisson type 221 Caissons (15,000 tons/EA)

#### Expanding into the International markets by securing competitiveness on bridges/ports

The Civil Business Division of Daelim is known for the highest level of performance and know-hows in diverse fields such as roads / bridges, hydroelectric power plants & dams / ports, railways / subways in the domestic market. In particular, we were successful in developing our own self-reliant suspension bridge technology for the first time in South Korea and the sixth in the world.

While focusing on our leading expertise in bridge and port technologies, which allow us to have competitive edge over competitors with unique and differentiated technologies, we are expanding our geographical footprint into new overseas markets while securing competitiveness in previously involved markets.

SALES	2019	1,421 million USD	NEW ORDER	2019	896 million USD
	2018	1,368 million USD		2018	1,120 million USD
2017	1,196 million USD	2017	933 million USD		



**1 Yi Sun-Sin Bridge, South Korea**  
 [ OCT 2007 – APR 2013 ]  
 Suspension bridge with a main span of 1,545m  
 (7th in the world / 1st in Korea) /  
 2016 AECC Outstanding Civil Engineering  
 Project Award

**2 1915 Canakkale Bridge, Turkey**  
 [ MAR 2018 – DEC 2021 ]  
 The longest suspension bridge in the world  
 (main span: 2,023m)

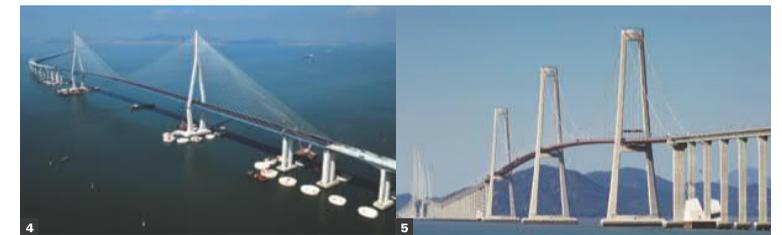
**3 Temburong CC2 & CC3 Bridge, Brunei**  
 [ FEB 2015 – NOV 2019 ]  
 The longest bridge in Brunei (total length: 14.2km,  
 including 2 cable-stayed bridges)

**4 Incheon Bridge, South Korea**  
 [ JUN 2005 – OCT 2009 ]  
 The longest cable-stayed bridge in Korea  
 (Main span: 800m)

**5 Cheonsa Bridge, South Korea**  
 [ NOV 2010 – APR 2019 ]  
 The world's first multi-span suspension bridge  
 across the strait (main span 650m x 2)

**6 Gogunsan Bridge, South Korea**  
 [ DEC 2009 – AUG 2016 ]  
 2017 \*IABSE OStrA Finalist Award  
 (1 pylon suspension bridge, main span: 400m)

**7 Sangju-Yeongcheon Expressway, South Korea**  
 [ JUN 2012 – JUN 2017 ]  
 Korea's longest private investment highway  
 (total length 94km)



\*IABSE OStrA: International Association for Bridge and Structural Engineering Outstanding Structure Award



**1 Honam High Speed Rail Section 3-2 / Section 3-3 / Vehicle Base, South Korea**  
[ MAY 2009 – APR 2016 ]  
Total extension: 16.3km  
Design speed : 350km / h

**2 Gyeongbu High Speed Rail Section 9-3 / 11-2, South Korea**  
[ SEP 1999 – OCT 2007 ]  
Total extension: 18.6km / 11 bridges

**3 GTX – A High-speed Rail, South Korea**  
[ JUN 2019 – JUN 2024 ]  
Total extension: 42.6km / 5 stations /  
Double Track TBM (Tunnel Boring Machine)

**4 Thomson Line T222, Singapore**  
[ MAY 2014 – DEC 2020 ]  
Total extension: 1.2 km TBM (Tunnel Boring Machine)

**5 Yongin Light Rail, South Korea**  
[ DEC 2005 – NOV 2010 ]  
Total extension: 18.14km

**6 Shinbundang Line Phase 1 / Phase 2, South Korea**  
[ JUL 2005 – FEB 2016 ]  
Total extension: 15.12km

**7 Hanoi Light Rail Line 3, Vietnam**  
[ JUL 2014 – DEC 2020 ]  
Total extension: 8.5km





**1 TUAS TERMINAL Phase 1, Singapore**

[ FEB 2015 – JUL 2021 ]  
Wall extension: 8.59km / Dredging: 67,000,000m<sup>3</sup> /  
Landfill: 88,000,000m<sup>3</sup>  
Cayson: 15,000ton x 221 (2 Caissons in 7 days)

**2 Gulpur Hydropower Project, Pakistan**

[ OCT 2015 – MAR 2020 ]  
Hydropower of the year Asian Power Awards 2016 /  
102MW

**3 Busan New Port Phase 1, South Korea**

[ JAN 2001 – MAY 2009 ]  
Logistics base terminal for Northeast Asia  
(Wall extension: 3.2km)

**4 Karun Dam, Iran**

[ DEC 1994 – APR 2001 ]  
Large-scale rock-fill dam / 228 million tons storage  
/ 250MW x 8

**5 Hantan River Dam, South Korea**

[ FEB 2007 – DEC 2016 ]  
Large-scale flood control dam (RCD method) / (H)83.5m x (L)690.0m

**6 Saemangeum Reclamation Development Project, South Korea**

[ JUN 1992 – DEC 2010 ]  
The world's longest seawall (total length 33.9 km)

**7 Yecheon Pumping Power Generation Project, South Korea**

[ OCT 2004 – DEC 2011 ]  
Korea's largest pumping power generation project  
(400MW x 2)



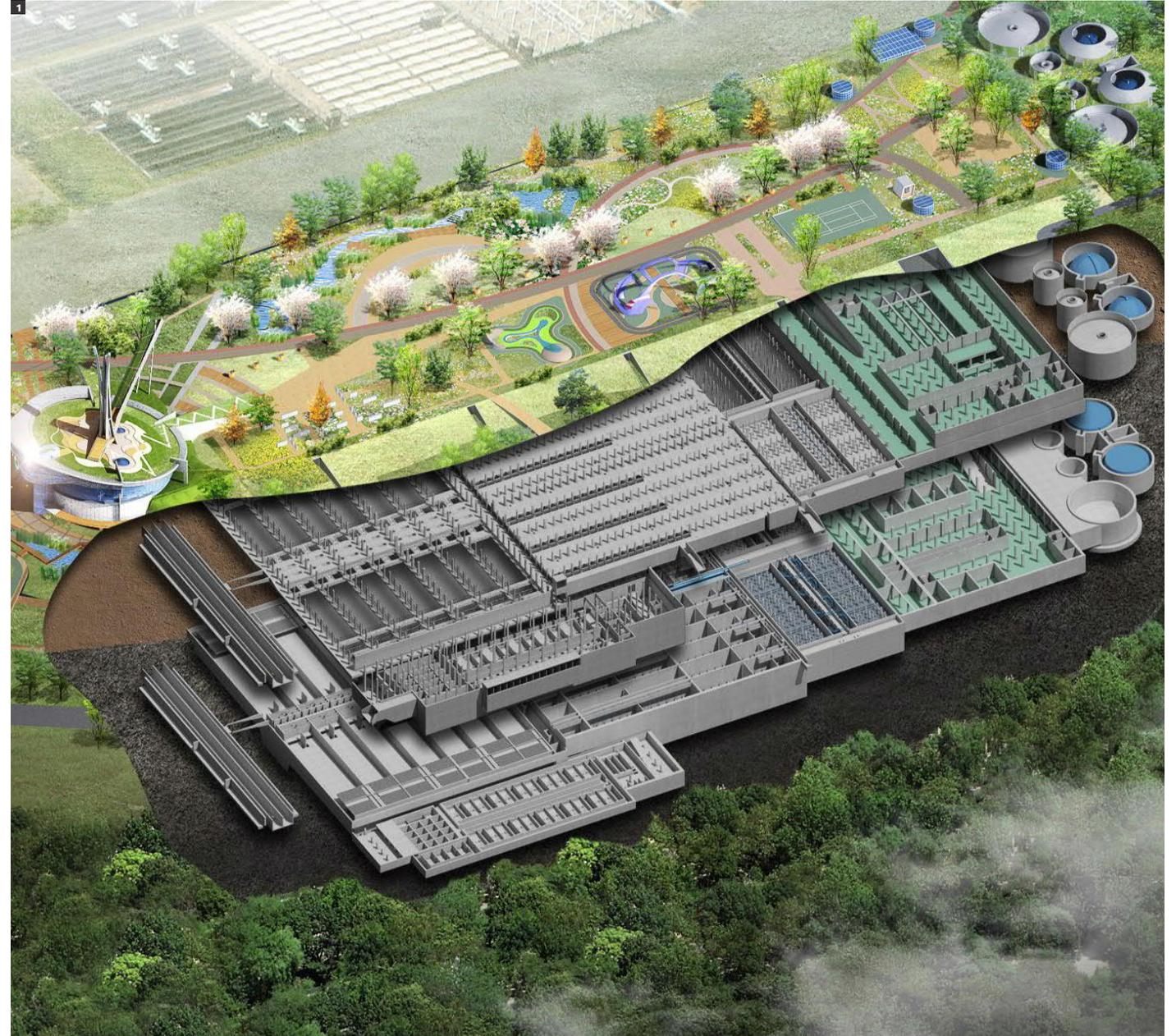


**1 Seonam  
Water Regeneration Center,  
South Korea**  
[ NOV 2009 – MAY 2021 ]  
1,510,000 m<sup>3</sup>/day  
Applying 4 steps of biological nutrient  
removal method

**2 Siheung Bangsan  
Sewage Treatment Plant,  
South Korea**  
[ AUG 2014 – MAY 2017 ]  
68,000 m<sup>3</sup>/day,  
extended sewer pipe 27.3 km

**3 Godeok Wastewater  
Treatment Facility,  
South Korea**  
[ AUG 2013 – DEC 2018 ]  
102,000m<sup>3</sup>/day

**4 Cheonggyecheon  
Restoration Project,  
South Korea**  
[ JUL 2003 – NOV 2005 ]  
Stream 1.9km,  
sewer pipe extension 6.7km



## HOUSING & BUILDING BUSINESS

### 1st

Launched year of the first brand apartment in Korea, eComfortworld

**242,902**

Number of households supplied since eComfortworld launched in 2000

### C2-HOUSE

Launched C2-HOUSE, lifestyle customized residential platform

### HIGH-END

ACRO sets high-end standards for residential culture

SALES	2019	<b>4,648 million USD</b>
	2018	<b>5,523 million USD</b>
	2017	<b>5,920 million USD</b>
NEW ORDER	2019	<b>3,799 million USD</b>
	2018	<b>5,245 million USD</b>
	2017	<b>3,976 million USD</b>

### Presenting Trends in Housing Culture by the Representative Landmark Construction Company of Korea

The Housing & Building Business Division launched eComfortworld apartments to open the times of apartment brands for the first time in South Korea, and have recently seated ACRO, the premium brand, successfully on the market.

With advanced technology and know-how based on our experience in constructing Korea's representative landmark buildings such as the National Assembly Building and the Sejong Cultural Center, Daelim Industrial launched C2 House, which melts technology into products, and presented the latest residential trends and customized residential platforms.

# ACRO

THE ONLY ONE

## The Ultimate High-End Lifestyle Collection

The only one brand that presents the high-end lifestyle collection. ACRO has led the high-rise housing market, setting new standards for an incomparable residential culture and applying strict standards to complete its one and only value.

■ **absolute high-end**

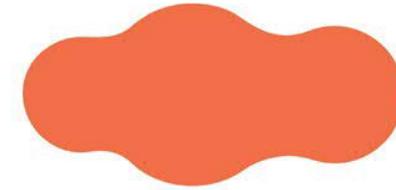
Absolute value completed on strict standards and the finest quality

■ **beyond compare**

Incomparable and differentiated living space

■ **timeless value**

Scarcity value that don't change over time



FOR EXCELLENT LIFE

## The First & The Best Apartment Brand In Korea

eComfortworld is the first branded apartment in Korea, which has created and led iconic lifestyle culture. As a pioneer of the housing industry, We aim to provide an 'excellent life' which everyone desires and dreams of.

■ **expert solution**

Delivering meaningful value to customers through professional technology

■ **experience-driven service**

Ensuring great living experience with our unparalleled services

■ **exclusive design**

Proposing exclusive designs born from needs of our customers

**1 eComfortworld Yongin Hansup City, South Korea**

[ NOV 2015 – JUN 2019 ]  
 6,800 household mini new town class large complex project located in Cheoin-gu, Yongin-si, Gyeonggi-do / Daelim Industrial plans and creates residential infrastructure directly on a large site of 347,870m<sup>2</sup> / All living infrastructure facilities such as schools, kindergartens, sports centers, libraries, and Hanforest Street are prepared in the complex

**2 Acro River Park, South Korea**

[ NOV 2013 – AUG 2016 ]  
 The most expensive Korea Apartment / Optimized sunshine and view by implementing a rhythmic skyline / 38 floors with 3 basement levels, total 1,612 households in 15 buildings

**3 Acro River View, South Korea**

[ DEC 2015 – JUN 2018 ]  
 Ranked 1st in 2016 subscription competition / 35 floors with 2 basement levels, total 595 households in 5 buildings

**4 Acro Riverheim, South Korea**

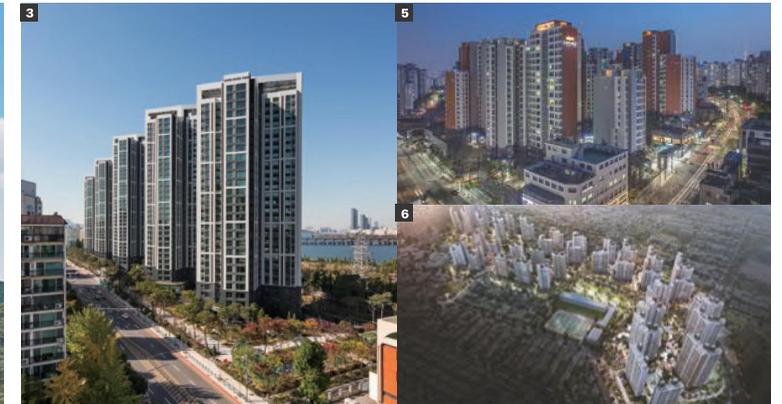
[ JUN 2016 – NOV 2018 ]  
 28 floors with 3 basement levels, total 1,073 households in 20 buildings

**5 eComfortworld Kumho Park Hills, South Korea**

[ NOV 2015 – APR 2018 ]  
 21 floors with 5 basement levels, total 1,330 households

**6 eComfortworld Golden Grand Maison, South Korea**

[ APR 2019 – AUG 2022 ]  
 Korea's first public-private apartment complex / 29 floors with 7 basement levels, total 3,320 households in 39 buildings



## HOUSING & BUILDING BUSINESS 2

### 1 Sejong City Government Complex 2-2, South Korea

[ NOV 2011 – DEC 2013 ]

Total floor space of 127,784m<sup>2</sup>, with office facilities ranging from 1<sup>st</sup> basement to 7<sup>th</sup> floor /

Energy-efficient first-class buildings utilizing geothermal and solar heat /

Residents consisting of Ministry of Culture, Sports & Tourism, Ministry of Trade, Industry & Energy, Ministry of Health & Welfare and Ministry of Employment & Labor.



### 2 Pangyo N-Square, South Korea

[ APR 2012 – MAY 2013 ]

Applied with cutting-edge eco-friendly low-energy building technology /

AcquireCd 'Platinum' certification, the highest level among LEED grades /

Total 133,077m<sup>2</sup>, 10 floors with 6 basement levels

### 3 Four Seasons Hotel Sejongro, South Korea

[ DEC 2012 – NOV 2015 ]

Four Seasons Hotels and Resorts' entry into Korea / 6-star hotel in Gwanghwamun, Seoul / 25 floors with 7 basement levels, 317 rooms



### 4 Kyobo Bookstore Remodeling, South Korea

[ FEB 2008 – APR 2011 ]

Constructed for the first time in Korea by remodeling the downtown area /

Acquired the best eco-friendly grade in Korea's first remodeling construction /

Total 94,634m<sup>2</sup>, 24 floors with 4 basement levels

### 5 Conrad Hotel Yeouido, South Korea

[ JAN 2008 – DEC 2012 ]

Hilton Group's top-rated brand hotels /

Features a 13.8m high lobby and an open space circular staircase /

38 floors with 7 basement levels, 466 rooms

### 6 Seocho GT Tower, South Korea

[ SEP 2008 – FEB 2011 ]

Featuring a blue S-line design that feels like the waves are falling to the ground /

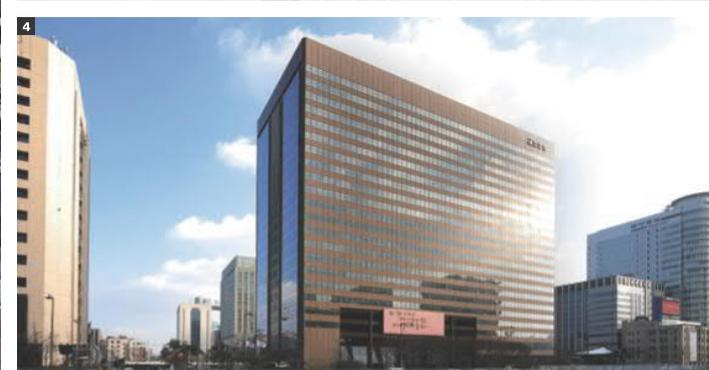
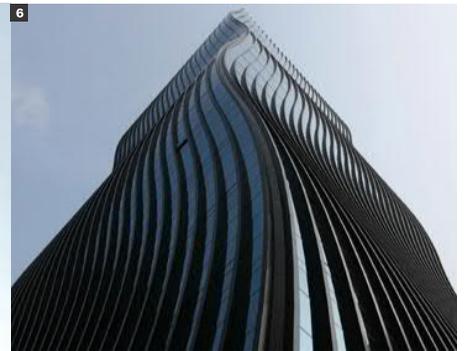
Total 46,286m<sup>2</sup>, 24 floors with 8 basement levels

### 7 Jeju Shinhwa History Park Hotel, South Korea

[ FEB 2016 – JUN 2018 ]

Jeju's largest recreational accommodation facility with a variety of additional facilities such as MICE, retail, casino, duty-free shop, and outdoor swimming pool /

5 floors with 2 basement levels, 2,000 rooms in 7 buildings



Logistics/ Industrial/ Sales/  
Educatio/ R&D



**1 Ewha Womans University Hospital, South Korea**  
[ DEC 2015 - JUN 2019 ]  
Patient-centered smart hospital with state-of-the-art system / Total 219,226m<sup>2</sup>, 10 floors with 6 basement levels, total 1,014 beds

**2 LG Science Park, South Korea**  
[ JUL 2015 - DEC 2018 ]  
A large-scale research complex with a total floor area of 111 million m<sup>2</sup> on a site of 170,000 m<sup>2</sup>, 24 soccer fields / 18 research facilities with a total floor area of 1,110,000m<sup>2</sup>

**3 Hankook Tire R&D Center, South Korea**  
[ JUN 2014 - AUG 2017 ]  
Total 96,329m<sup>2</sup> / 10 floors R&D center with 2 basement levels, 7 floors dormitory with 1 basement levels

**4 NHN Knowledge Information Campus, South Korea**  
[ NOV 2012 - NOV 2014 ]  
Korea's largest atypical exposed concrete interior/ exterior finish / Highest grade among international eco-friendly certifications, LEED PLATINUM certification / Total 34,692m<sup>2</sup>, 5 floors with 1 basement level

**5 Dongtan Logistics Center, South Korea**  
[ APR 2016 - NOV 2018 ]  
Gwangyang's largest logistics facility with a total of 622,687m<sup>2</sup> / Introduction of new technologies such as modularization, vehicle circulation planning, and double beam PC method

**6 Amorepacific Osan, South Korea**  
[ JUN 2009 - APR 2012 ]  
Acquired cGMP certification, a pharmaceutical manufacturing and quality control certification / Large-scale logistics warehouse



with automated facility system / Total 161,567m<sup>2</sup>, 4 floors with 2 basement levels

**7 Hanam Testa Tower, South Korea** [ MAR 2017 - MAY 2019 ]  
Drive-in system allows vehicle access to the front of each room / Total 165,153m<sup>2</sup>, 10 floors with 4 basement levels,

GENERAL  
CONSTRUCTION

Culture/ Sports/ Public

1 National Sejong Arboretum, South Korea

[ JUL 2016 – MAY 2020 ]

Korea's first urban arboretum / 17 buildings including 1ha large greenhouse, 2.1km artificial waterway, etc.



2 Yeosu World Expo International Hall, South Korea

[ OCT 2010 – SEP 2012 ]

2012 Yeosu World Expo's largest exhibition hall / Total 132,636m<sup>2</sup>, 4 floors with 1 basement level

3 Pyeongchang Olympic Stadium, South Korea

[ JAN 2016 – NOV 2018 ]

2018 Pyeongchang Winter Olympics Main Stadium / Consist of 35,000 bleachers, ICT cultural experience hall and medal plaza / Total 58,391m<sup>2</sup>, 7 floors

4 Asia Culture Center, South Korea

[ APR 2008 – MAR 2016 ]

Korea's largest and second largest cultural complex in Asia / Construction of a pillar-free exhibition space by applying the 24m PC structure for the first time in Korea / A large underground space with a total area of 156,817m<sup>2</sup>

5 Remodeling of Sejong Center, South Korea

[ MAR 2010 – DEC 2012 ]

Remodeled the Sejong Cultural Center opened in 1978 / Converting underground parking spaces into MD and exhibition facilities, expanding performance exhibition spaces / Total 60,782m<sup>2</sup>, 6 floors with 1 basement level

6 Incheon Airport Terminal 2, South Korea [ JUN 2014 – JAN 2018 ]

Total 384,336m<sup>2</sup>, 5 floors with 2 basement levels

## PLANT BUSINESS

### 600+

More than 600 completed/ongoing projects in 35 countries all around the world

### 47 YEARS

47 years of experience in plant design

### 30+

More than 30 years of experience in petrochemical plant operation and O&M expertise

### TOTAL

A total service provider including FEED, EPC, O&M

#### World's leading technology in the overseas plant market

Based on cutting-edge technology and know-how in various fields including oil refinery, gas, petrochemical, and power generation, Daelim Industrial Plant Business Division provides a

total service that encompasses FEED (Front End Engineering Design), EPC (Engineering, Procurement, and Construction), O&M (Operation & Maintenance) in the global plant markets. Specifically, we have outstanding expertise in the petrochemical and refinery sectors with quality management capabilities accumulated through more than 30 years' direct operation of petrochemical plants. We

are making improvements in the accuracy and efficiency of our projects by preemptively introducing new technologies including BIM (Building Information Modeling), AI (Artificial Intelligence), AWP (Advanced Work Packaging), and modularization process to prepare for the fast-changing business environment.

SALES	2019	<b>833 million USD</b>	NEW ORDER	2019	<b>1,141 million USD</b>
	2018	<b>1,102 million USD</b>		2018	<b>1,227 million USD</b>
	2017	<b>2,150 million USD</b>		2017	<b>1,591 million USD</b>



**1 S-OIL Residue Upgrading**

**Complex Project, South Korea**

[ JUN 2015 - JUN 2018 ]

The largest ever construction of a single plant ordered in Korea with a total project cost of KRW 4,800 billion (USD 3.5 billion) /

A facility that converts residual oil remaining after extracting gas, light oil, etc. from crude oil into high value-added products such as propylene and gasoline

**2 Sohar Refinery Improvement Project, Oman**

[ NOV 2013 - MAR 2017 ]

Contracted at KRW 2 trillion

**3 Sulphur Handling Facilities**

**(Revamp & New) Project at MAA Refinery, Kuwait**

[ JUL 2013 - MAR 2020 ]

Contracted at KRW 580 billion

**4 Petron Refinery Master Plan Phase 2 (RMP-2), Philippines**

[ NOV 2011 - JUN 2014 ]

The largest project in Southeast Asia, Contracted at KRW 2 trillion

**5 Yanbu Export Refinery Project PKG 3, Saudi Arabia**

[ JUL 2010 - OCT 2014 ]

Contracted at KRW 1.4 trillion

**6 Umm Wu'al EPC Project - Ammonia Plant, Saudi Arabia**

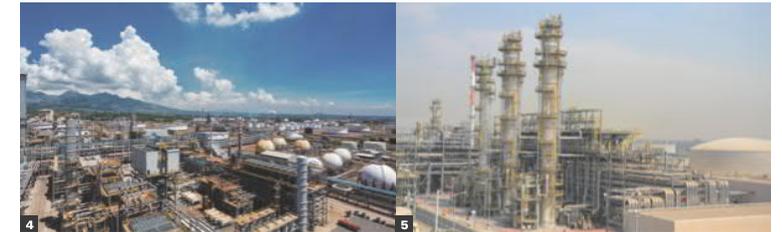
[ JUN 2013 - MAY 2016 ]

The world's largest ammonia plant

**7 JG Summit NCC Project, Philippines**

[ SEP 2010 - MAR 2014 ]

The first NCC project in Philippines





**1 LPG Train 4 Project at MAA Refinery, Kuwait**

[ JUL 2010 - APR 2015 ]  
 Project to build LPG refinery producing ethane, propane and butane /  
 Achieved 35 million accident-free accidents (Safety Man Hour achieved : 35,142,010 M/H) /  
 Highest score in HSE PERFORMANCE review conducted by Kuwait National Oil Company (KNPC)

**2 Installation of Telemetry System for Monitoring & Control of Consumer Network System, Kuwait**

[ JUN 2012 - AUG 2018 ]  
 Contracted at KRW 200 billion

**3 Replacement of 9 Crude Oil Filling Lines, Kuwait**

[ JUN 2007 - MAR 2010 ]  
 Completed 3 months ahead of schedule

**4 Utilities and Offsite Facilities for the Ibn Zahr Project III, Saudi Arabia**

[ JUN 2006 - MAY 2008 ]  
 Completed 8 weeks ahead of schedule /  
 Awarded of Best SABIC Project of the Year 2008

**5 South Pars Gas Development Phase 6, 7 & 8, Iran**

[ JUN 2003 - AUG 2008 ]  
 The largest gas field development project in the world



**1 Manjung 5,100MW Coal-fired Power Plant, Malaysia**  
[ JAN 2014 - SEP 2017 ]  
The first Korean company to complete the ultra-supercritical coal-fired power plant over 1,000MW

**2 San Buenaventura 500MW Coal-fired Plant, Philippines**  
[ DEC 2015 - SEP 2019 ]  
Philippines' first supercritical coal-fired power plant / Completed 3 months ahead of schedule

**3 Shoaiba II 1,262MW Combined Cycle Power Plant, Saudi Arabia**  
[ OCT 2011 - OCT 2015 ]  
Contracted at KRW 1.4 trillion

**4 Pocheon 1,560MW Combined Cycle Power Plant, South Korea**  
[ JUL 2011 - AUG 2014 ]  
Daelim Industrial's first IPP project

**5 Bukpyeong 1,190MW Coal-fired Power Plant, South Korea**  
[ SEP 2012 - DEC 2018 ]  
Korea's first 500MW Standard type coal-fired power plant

**6 Gwangyang 1,074MW Combined Cycle Power Plant, South Korea**  
[ SEP 2003 - SEP 2006 ]  
Korea's first EPC project on IPP



**7 O Mon 330MW Oil & Gas Power Plant, Vietnam**  
[ SEP 2012 - NOV 2015 ]  
Daelim Industrial's first EPC on Oil & Gas thermal power plant