

# **Company Profile**

- Application for Nomination -



## **Application for Nomination**

We wish the growth and the prosperity of your esteemed company.

We hereby submit this application for the nomination of your project (s), with reference to the documents attached herewith.

We thank you for your fine cooperation.

November 4, 2020

Dream Engineering Co., Ltd. CEO, Jintaek Oh



Yeongsinro 20gil 12, Yeongdeungpo-gu, Seoul, Korea TEL: 02)831-7890 FAX: 02)832-0206

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# Company Snapshot

1. Company Name Dream Engineering Co., Ltd.

2. CEO Jintaek Oh (Representative Director)

3. Address Yeongsinro 20gil 12, Yeongdeungpo-gu, Seoul

TEL 02)831-7890 FAX 02)832-0206

4. Business Reg. No. 108-86-12371 (Court Reg. No. : 110111-5472173)

5. Business Type

Area: Service

<u>Items</u>: Prof. Electric Design & Engineering, Prof. Electric Work

Supervision, Prof. Firefighting Supervision,

Firefighting/Mechanical/Communication Design,

**O&M** of Firefighting Facilities, Engineering Biz

Entity(Communication, Facility, Structure),

**Technical Consulting** 

6. Paid-in Capital KRW700,000,000

## 7. Company Introduction

Dream Engineering was founded in 2015, under the motto of "Share Dreams!" We are sharing all the things of the company with staff members as stated on the motto with the highest level of compensation. Now Dream is prepared to serve for clients.

Our major biz areas are the design & supervision services of renewable energy, which includes fuel cell, wind power, solar power, etc. Dream is now expanding its services to various consulting areas inclusive of PSM and green certifications.

Dream will put its best efforts to be a company of satisfaction and trust by clients. We believe that it will be possible by accumulating professional engineering skills through challenge and experience. Dream is proud of the expertise of each employee.

We will continue to pursue for the excellence.



# Company Snapshot

## 8. Partner Companies



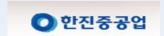


































# **Company History**

## **Year 2015**

- Registered Company, 'Dream Engineering' (May)
- Mr. Jintaek Oh became CEO & Rep. Director (Sept.)
- Registered 1st Class Professional Electric Design Biz (Oct.)
- Registered Professional Electric Work Supervision Biz (Oct.)
- Opened 'Engineers Office' (Oct.)
- Registered Firefighting Facility Design Biz (Nov.)

## **Year 2016**

- Registered Firefighting General Supervision Biz (Elec./Mech., Sept.)
- Registered Communication Engineering Biz (Nov.)
- Registered Professional Firefighting Supervision Biz (Nov.)

## **Year 2017**

- Established 'Naejin Dream,' a Subsidiary for Earthquake-Resistant Design, Check,
   Consulting, and R&D (Jul.)
- Registered License for Comprehensive Electric Supervision Biz (Aug.)

## Year 2018

- Registered 'Venture Enterprise' (Feb.)
- Established 'Energy Dream,' a Subsidiary for Electric/FF Construction Work (Apr.)
- Filing of Engineering Biz Entity in Mechanical & Structure (Jun.)
- Registered Construction Technical Service Biz in Construction Biz Mgt. (Jun.)
- Established 'Dream Architecture Office' (Dec.)

## Year 2019

- Established 'Dream Mechanics & Facility Co.' (Aug.)
- Award by President of Korea (Oct.)



## 0

## **Major Business**

Dream Engineering is a renewable energy engineering enterprise equipped with the leading professional expertise in Korea. We have specialties in design, supervision, permits/approvals, and construction work in various areas including fuel cell power plant, wind (onshore & offshore) and solar farm, ESS, architecture, plant, water & sewage, environment, railroad, etc.



## Organization Chart **CEO Energy Dream Biz Support** Electric Work Group F/F Facility Work Electric Design F/F Design Dream **Naejin Dream Engineering** Dream **Architecture R&D** Center Supervision **Electric RE Biz Mechanical** Civil **Design Group Design Group Biz Group Design Group** Group **Civil Design External Coop.** Mech. Design **Electricity** Elec. Design • Team #1 Team #1 Wind Biz **Firefighting** Architecture • Team #2 • Team #2 **Solar Biz** Design • Team #3 • Team #3 **EPC ICT** Team #4 **PSM Team Fuel Cell** Mechanical **Device Design ESS HES Biz External Biz** Group Group **Biz Develop** Daegu Office **PSM Honam Office** Power Grid/

**R&D Office** 

# Professional Engineers

## 1. Certificate/License Status (98 persons)

(as of May 2020)

Business Unit	# of people
CEO	1
Biz Support Group	5
RE Biz Group	9
External Biz Group	7
Supervision Biz Group	12
Mechanical Design Group	12
Electric Design Group	30
Civil Design Group	4
Technical Advisor/Marketing	2
Subsidiaries (Energy Dream, Naejin Dream, Dream Arch.)	16
Total	98

		License				<b>T</b> . 4 - 1	Level(given by CA)				T. ( -1	
Item	Prof. Engineer	Engineer	Industrial Engineer	Techni- cian	Others	Total	Highest	Advan- ced	Inter- mediate	Basic	Others	Total
Elec.	5	8	3	3	36	55	5	5	2	6	13	31
F/F	2	6	2	-	2	12	7	5	-	8	8	28
Mech.	1	1	-	-	6	8	2	-	-	3	2	7
Comm.	1	1	1	-	-	3	2	-	-	1	-	3
Structure	-	3	-	1	-	4	1	-	-	2	-	3
Civil	-	2	-	2	-	4	1	2	-	1	-	4
Others	2	-	-	-	4	6	4	-	2	-	10	16
Elec. Work	-	1	1	-	1	3	-	-	-	1	1	2
F/F Work	-	-	-	-	3	3	-	-	-	1	3	4
Total	11	22	7	6	52	98	22	12	4	23	37	98



## [Biz Registration Certificate]



## 사 업 자 등 록 증

(법인사업자)

등록번호: 108-86-12371

법인명(단체명): (주) 드림엔지니어링

표 자 : 오진택

개 업 면 월 일 : 2014 년 07 월 10 일 법인등록번호 : 110111-5472173

사업장 소재지 : 서울특별시 영등포구 영신로20길 12(영등포동)

본 점 소 재 지 : 서울특별시 영등포구 명신로20길 12(영등포동)

사 업 의 종 류 : 업태 서비스

도소매

도소매

서비스

종목 엔지니어링사업

전기기기 안전장비

기술현설형(안전쥉경및진단,신재생애네지,집환경

유 : 정정

사업자 단위 과세 적용사업자 여부 : 여 ( ) 부 ( ∨ ) 전자세금계산서 전용 전자우편주소 : ncs1092@hometax.go.kr

2015 년 10 월 01 일

영등포세무서장



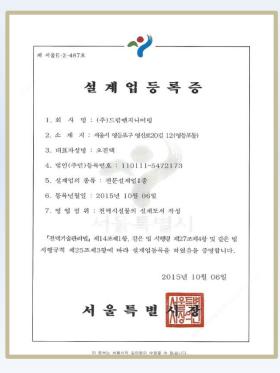


국세청



# License Registration Status

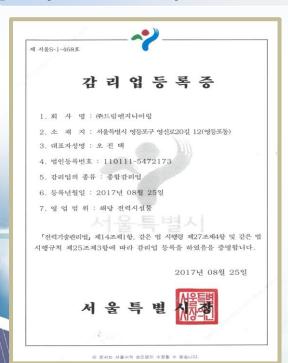
## [Prof. Design Biz-Lev. 1]



## [Prof. F/F Design Biz]



## [Comprehensive Supervision Biz]



## [Prof. F/F Supervision Biz]



# License Registration Status

## [Engineer Office Registration]



## [F/F Facility O&M Biz]



## [Engineering Biz Reporting]



## [Construction Biz Mgt.]



# Certificates & Awards (certificates)

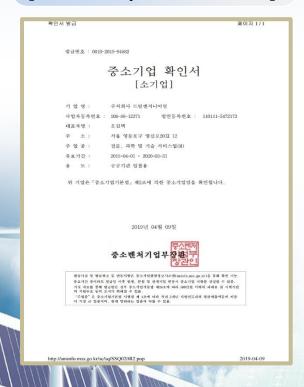
## [ISO 9001 Certificate]



## [R&D Center Certificate]



## [S&M Enterprise Certificate]



## [KRI Certificate(Guinness)]

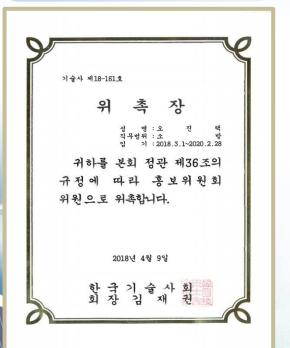


# Certificates & Awards (appoint letters)

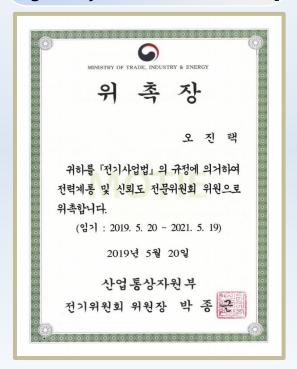
# [Commissioner of National F/F Technique Review]



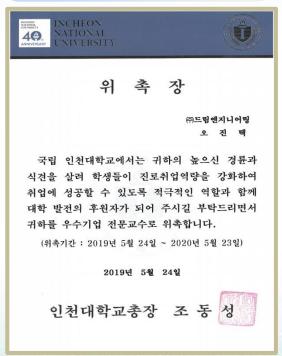
# [Commissioner of Korean Prof. Engineers Asso.]



# [Prof. Member of Electricity Regulatory Committee of MOTIE]



# [Professor of Incheon National Univ.]



# Certificates & Awards (awards)

## [Award by President of Korea]



# Certificates & Awards (awards)

# [Korean Institute of Fire Science & Engineering]



## [Chungcheongbukdo(Province)]



# [Ministry of Public Safety & Security]



# [Grand Prize of Service Satisfaction of Korea]



# Company Credit Rating Report

## [Credit Rating Report]

## CREDIT RATING

DNA PLUS

(주)드림엔지니어링 | 108-86-12371 | 오진택 | ECC202004008323

## **기업정보**

기업체명	(주)드림엔지니어링 (DREAM engineering Co.,Ltd.)			신용등급		
사업자등록번호	108-86-12371	법인번호	110111-5472173			
본사주소	(07307)서울특별시 영등포	구 영신로20길 12(영등포동)		р.		
대표자	오진택	B+				
전화번호	02-831-7890					
산업분류	엔지니어링 서비스업	현금흐름등급				
설립일	2014년 07월 22일					
재무결산일	2019년 12월 31일	보고서 최종수정일	2020년 04월 14일	В		
신용등급 유효기간						

214121201		정기평가 하빈		하반기평가		w = 7	
결산기준일	평가일	신용등급	현금흐름등급	평가일	신용등급	현금흐름등급	Watch 등급
2019/12/31	2020/04/14	B+	В	-			<b>T111</b>
2018/12/31	2019/04/29	B+	В	2019/08/22	B+	В	정상
2017/12/31	2018/04/11	B-	D	-	-	-	2020년05월17일 현지

## **마** 주요 경영 현황

주요제품	주요제품 경영정보		판매처(%)		주요주주	(%)
엔지니어링(전기,소방,통신,기계 설계 및 감리)	종업원	75 명	명운산업개발(주)	16	오진택	100.0
기술컨설팅(안전점검및진단,신재생에 너지,친환경	기업규모	중기업	(주)삼천리이에스	12		
PSM(공정안전보고), 장외영향평가, 유 해위험방지계획	기업형태	비외감	(주)무주에코랜드	11		
	자본금	700 백만원	(주)테크노그린	8		
	주거래은행	기업은행 구로동지점	에스케이건설(주)	5		

## 주요 재무 현황

(단위:백만원)

당기문이익	용합이적	메달엑	사건용세	구세상세	공사인	열산기문일
58	154	5,440	728	3,431	4,159	2019/12/31
379	511	5,322	121	2,165	2,286	2018/12/31
-544	-548	1,612	-307	1,278	970	2017/12/31
(단위:%)						
차인이존도	부채비용	으토비용	수이익론	역언이 <b>인</b> 를	매충성장용	격사기주인

차입의존도	부채비율	유동비율	순이익물	영업이익률	매출성장을	결산기준일
47.3	471.3	254.3	1.1	2.8	2.2	2019/12/31
82.3	1,788.6	302.0	7.1	9.6	230.0	2018/12/31
100.9	완전잠식	228.1	-33.7	-34.0	52.3	2017/12/31

(주)이크레더블

2/23

[조회일시]2020년 05월 19일 10:10





## [Solar, Wind, Generation Business - key records]

## Haenam Dream Solar Power Plant (2.1MW) - Biz Development

\* Total costs: KRW4.0bn

\* Generation capacity: 2.1MW

\* Solar generation facility

\* EPC and sales

\* Owner : self (Dream Engineering)



## Jeongeup Dream Solar Power Plant (2.5MW) - Biz Development

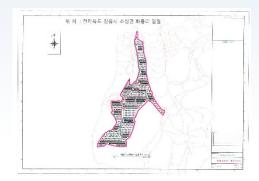
\* Total costs: KRW5.25bn

\* Generation capacity: 2.5MW

\* Solar generation facility

\* EPC and sales

\* Owner : self (Dream Engineering)



## **Hampyeong Solar Power Plant**

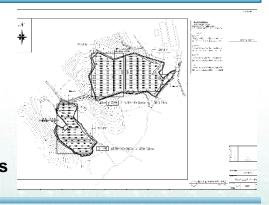
\* Total costs : KRW2.94bn

\* Generation capacity: 1.93MW

\* Solar generation facility

EPC

Owner(ordered by) : individual land owners





## [Solar, Wind, Generation Business- key records]

## Haenam Solasido Solar Power Plant (98MW) - Planning Design

\* Total costs: KRW196.0bn

\* Generation capacity: 98MW

\* Solar generation facility

\* Planning design and government biz

\* Ordered by : Hanyang Corp.



## Yeongam Hakpa #1 Reservoir Water Solar Power Facility

\* Total costs: KRW49.5bn

\* Generation capacity: 20MW

\* Water solar power generation facility

\* Government biz for permits, approvals, etc.

\* Ordered by : Baek Doo Industry



## Imgye Solar Park Solar Power Plant

\* Total costs : KRW200.0bn

\* Generation capacity: 60MW

\* Solar power generation facility

\* Generation biz license, KEPCO grid connection, consulting

Ordered by : Baek Doo Industry





## [Solar, Wind, Generation Business - key records]

## Jeju Gasiri Haeoreum Solar Power Plant (1.7MW)

\* Total costs: KRW2.67bn

\* Generation capacity: 1,723.68kW

\* Solar generation facility

\* Design, supervision, EPC

\* Ordered by : Haeoreum Energy



## Yeongju Haam Solar Power Plant (1MW)

\* Total costs: KRW1.8bn

\* Generation capacity: 1MW

\* Solar generation facility

\* Design, supervision, EPC

\* Ordered by : Haam Solar Power



## Nakweol Offshore Wind Power Plant

\* Total costs : KRW1,700.0bn

\* Generation capacity: 352.8MW

\* Wind power generation facility

\* Generation biz license, KEPCO grid connection, consulting, design

Ordered by: Myeongun Industry Dev.





## [Solar, Wind, Generation Business - key records]

## Haenam Maeweol Offshore Wind Power Plant

- \* Total costs: KRW480.0bn
- \* Generation capacity: 96MW
- \* Offshore wind generation facility
- \* Biz development, generation biz license, feasibility study, design
- \* Ordered by : Maeweol Offshore Wind





## Yeongdeok Sunrise Wind Power Plant

- \* Generation capacity: 34.4MW
- \* Offshore wind generation facility
- \* Electric design
- \* Ordered by : Kolon Global Corp.





## Barangsan(Mt.) Wind Power Plant

- \* Total costs : KRW180.0bn
- \* Generation capacity: 60MW
- \* Power generation facility
- Generation biz license, safety check, consulting, design
- Ordered by: Korea Midland Power



## [Solar, Wind Generation Business - key records]

## Seohae(West Sea) Offshore Wind Power Plant

- \* Total costs: KRW2,200.0bn
- \* Generation capa. : 400MW(8MW×50 units)
- \* Offshore wind generation facility
- \* Biz development, generation biz license
- \* Ordered by : West Sea Offshore Wind Power



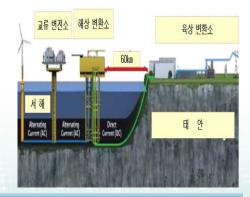
## **Gyeokryeol Offshore Wind Power Plant**

- \* Total costs: KRW4,400.0bn
- \* Generation capa.: 800MW(8MW×100units)
- \* Offshore wind generation facility
- \* Biz development, generation biz license
- \* Ordered by: Gyeokryeol Offshore Wind Power



## Power Grid Connection Review, by Applying HVDC Method

- \* Estimated costs : KRW652.0bn
- \* Generation capacity: 600MW
- \* Power generation facility
- \* Ordered by : Korea Western Power



Yr Mo	Project Name	Туре	Owner / Ordered by
2017. 01.	Gunsan #2 Ind. Complex Water Solar Power Plant(16MW), Proposal Design	Solar	LG CNS
2017. 03.	Yanggu Unification Observatory #1 Solar Power Plant(96MW), Planning Design	Solar	Global Wind Energy
2017. 03.	Yanggu Unification Observatory #2 Solar Power Plant(154MW), Planning Design	Solar	Global Wind Energy
2017. 05.	Yanggu Solar(250MW), Planning Design	Solar	Global Wind Energy
2017. 05.	Samcheonpo Solar(32MW) ESS, Proposal Design	Solar	Hyundai Electric
2017. 07.	Unification Observatory Yanggu Wind(90MW), Planning Design	Wind	Global Wind Energy
2017. 07.	Odoo #2 Wind(57.5MW), Planning Design	Wind	Global Wind Energy
2017. 09.	Anseong Sanbukri Solar(999kW), Design	Solar	Mega Solar
2017. 10.	Cheongyang Sujeongri Solar(100kW) 14 Units, Design	Solar	Mega Solar
2017. 11.	Saegeum #1 Joongbong SG Solar(994kW), Design	Solar	TOP Engineering
2017. 11.	Saegeum #1 Yoocheon SG Solar(2,034kW), Design	Solar	TOP Engineering
2017. 11.	Saegeum Offshore Wind(99MW), Planning Design	Wind	ST Energy
2018. 01.	Doomoon Solar 2MW(1MW*2), Design	Solar	Baek Doo Industry
2018. 01.	Surplus Heat Energy Business, Design	Combined Heat	JOIN Engineering
2018. 01.	Yeongcheon Dream Solar, Biz Development	Solar	Self(Dream Engineering)
2018. 02.	Gimje Wind(39MW), Elec. & Architectural Design	Wind	Samhyun System
2018. 03.	Hampyeong Solar, EPC	Solar	Individual Land Owners

ı				
	Yr Mo	Project Name	Туре	Owner / Ordered by
	2018. 03.	Jangheung Biomass Power Plant, Design(Electric Instrument)	RE	Tae Sung Engineering
	2018. 03.	Korea OSG HQ, Hosan Factory, Sinpoong Solar, JT Solar Construction Work, Design	Solar	A.R.T. Korea
	2018. 03.	Solar Power Plant PV-Linked ESS Construction, Design	Solar	Hyundae Ind. System
	2018. 04.	Gwangmyeong Power Plant Transmission & Substation Facility, Design & Supervision	Combined Heat	Iljin Electric
	2018. 04.	Barangsan Wind Power Plant(60MW), Electric Design	Wind	Barangsan Wind
	2018. 05.	Jeongeup Dream Solar Plant, Biz Development	Solar	Self(Dream Engineering)
	2018. 06.	Haenam Dream Solar Power Plant, Biz Development	Solar	Self(Dream Engineering)
	2018. 06.	Haenam Solasido Solar Power Plant(98MW), Elec. & Civil Planning Design	Solar	Hanyang Corp.
	2018. 07.	POSCO Fe-Mn Plant Mid/Low Temperature Generation System, Mechanical Design	Other Generation	POSCO ICT
	2018. 09.	Blue Energy #2 Solar Power Plant Electric Work, Construction Design & Supervision	Solar	Astronergy Solar Korea
	2018. 10.	Haechangman Reservoir Water Solar, Design	Solar	LG CNS
	2018. 11.	Jecheon Bongyang Solar Power Plant(3MW), Feasibility Study & Basic Design	Solar	KSEC Corp.
	2018. 11.	Mongolia Erdenet City Bayan-ungur District Solar Power Plant(20MW), FS & Design	Solar	Dohwa Engineering
	2018. 12.	Sri Lanka Hambantota ESS-Linked Solar Power Plant(20MW), Biz Development	Solar	Asian Sun Power
	2018. 12.	Goseong Haedream #2 Solar Power Plant(1MW), Design & Supervision	Solar	Hyundai Solar
	2018. 12.	Goseong Haeseong Solar Power Plant(1MW), Design & Supervision	Solar	Daehan Enersys
	2018. 12.	Yeongweol Bukssangri Solar Power Plant, Basic Design & Feasibility Study	Solar	Jisung Consultants

Project Name	Туре	Owner / Ordered by
3MW 3 Units, 1MW 4 Units, Total 13MW Gangwon Solar Power Plant Construction	Solar	Sungwoo Energy
Goheung Offshore Wind Met Mast Installation, Permits & Approvals	Wind	Samhae Development
Shinhwa Re-use Material Generation Business, Permits & Approvals	Renewable	CES
Haeoreum Energy Solar(1,723.68kW), Electric Design	Solar	Haeoreum Energy
SD Sunflower Solar #3 / Speedsun Solar #1, Design & Supervision	Solar	TOP Engineering
Chorok(Green) Solar(299.25kW) Installation Work, Supervision	Solar	Now Solid
Goseong Haedream Solar(1MW), Design & Supervision	Solar	Hyundai Solar
Chorok Solar(299.25kW) Installation Work, Supervision	Solar	Now Solid
Goseong Iljeong Solar(1MW), Design & Supervision	Solar	Daehan Enersys
Gimhae Citizen Solar Power Generation Dongbu Sports Center(225kW), Supervision	Solar	Now Solid
Haenam Taehan Solar Power Plant(735.68kW), Electric Design & Supervision	Solar	Hyundai Solar
Yangji Solar(196.875kW), Supervision	Solar	Now Solid
Baekjeon Wind Complex, Electric Basic/Detail Design and Permits/Approvals	Wind	Green Energy Generation
Clean Nara Solar(3.4MW), Electric Basic Design	Solar	LG CNS
Saemangeum Onshore Block1 Generation Business, Proposal Design	Solar	Daewoo E&C
	3MW 3 Units, 1MW 4 Units, Total 13MW Gangwon Solar Power Plant Construction  Goheung Offshore Wind Met Mast Installation, Permits & Approvals  Shinhwa Re-use Material Generation Business, Permits & Approvals  Haeoreum Energy Solar(1,723.68kW), Electric Design  SD Sunflower Solar #3 / Speedsun Solar #1, Design & Supervision  Chorok(Green) Solar(299.25kW) Installation Work, Supervision  Goseong Haedream Solar(1MW), Design & Supervision  Chorok Solar(299.25kW) Installation Work, Supervision  Goseong Iljeong Solar(1MW), Design & Supervision  Goseong Iljeong Solar(1MW), Design & Supervision  Gimhae Citizen Solar Power Generation Dongbu Sports Center(225kW), Supervision  Haenam Taehan Solar Power Plant(735.68kW), Electric Design & Supervision  Yangji Solar(196.875kW), Supervision  Baekjeon Wind Complex, Electric Basic/Detail Design and Permits/Approvals  Clean Nara Solar(3.4MW), Electric Basic Design  Saemangeum Onshore Block1 Generation	3MW 3 Units, 1MW 4 Units, Total 13MW Gangwon Solar Power Plant Construction  Goheung Offshore Wind Met Mast Installation, Permits & Approvals  Shinhwa Re-use Material Generation Business, Permits & Approvals  Haeoreum Energy Solar(1,723.68kW), Electric Design  SD Sunflower Solar #3 / Speedsun Solar #1, Design & Supervision  Chorok(Green) Solar(299.25kW) Installation Work, Supervision  Goseong Haedream Solar(1MW), Design & Supervision  Chorok Solar(299.25kW) Installation Work, Supervision  Chorok Solar(299.25kW) Installation Work, Supervision  Goseong Iljeong Solar(1MW), Design & Supervision  Goseong Iljeong Solar(1MW), Design & Supervision  Gimhae Citizen Solar Power Generation Dongbu Sports Center(225kW), Supervision  Haenam Taehan Solar Power Plant(735.68kW), Electric Design & Supervision  Solar  Yangji Solar(196.875kW), Supervision  Baekjeon Wind Complex, Electric Basic/Detail Design and Permits/Approvals  Clean Nara Solar(3.4MW), Electric Basic Design  Solar

		_	Owner /
Yr Mo	Project Name	Туре	Ordered by
2019. 06.	Sebit/Nebit Solar(800kW), Design & Supervision	Solar	CALUMEN Energy
2019. 07.	Dasan Energy Solar 6 Units, Supervision	Solar	Dasan Energy
2019. 07.	Federation of Korean Trade Unions Solar(799.20kW), Supervision	Solar	Now Solid
2019. 07.	SD Sunflower ESS / Speedsun ESS, Design & Supervision	Solar	TOP Engineering
2019. 08.	Soojihyun #8 Solar(298.62kW), Supervision	Solar	Now Solid
2019. 08.	Gwangmyeong Power Plant Transmission/Substation Step 2, Design & Supervision	Combined Heat	Iljin Electric
2019. 09	Hampyeong Solar Power Plant, Design	Solar	Sinmyeong Top E&C
2019. 09	Haam Solar(999kW), Design & Supervision	Solar	Haam Solar Power Plant
2019. 10.	30KW Gangwon Livestock Ind. Cooperatives Bldgs. Solar, Pre-Feasibility Study	Solar	Korea Southern Power, Office
2019. 11.	Busan Samsung MS Solar Power, Working Design	Solar	Korea Energy Transition Corp.
2019.11.	Gapmoon 350kW Water Power Plant, Design & Supervision	Solar	Now Solid
2019.11.	Pier 6 Parking Lot 50kW Solar Power Facility, Supervision	Solar	Now Solid
2020. 01.	Gunsan Eoeunri Solar(30MW), Basic & Working Design	Solar	GeumGang E&G
2020. 02	Nonsan Solar 15 Units, Working Design	Solar	Sebit E&C
2019. 04.	Yeonggwang Nakweol Offshore Wind Power Complex(350MW) Construction	Wind	Myeongun Industry Dev.
2020. 03	Yeongdeok Sunrise Wind(29.4MW), Design	Wind	Kolon Global
2020. 04	Bigeum Residents Solar(200MW), Electric Design	Solar	Bigeum Residents Solar



Yr Mo	Project Name	Туре	Owner / Ordered by
2020. 05.	Saemangeum Onshore Block 3 Solar, Proposal Design(shortlisted)	Solar	Korea Midland Power
2020. 05.	Maeweol Offshore Wind(96MW), Design	Wind	Maeweol Offshore Wind
2020. 05.	Gimhae Citizen Solar Generation Agricultural Technology Center(132kW), Supervision	Solar	Now Solid
2020. 05.	Gimhae Solar #1 Power Plant(997kW), Supervision	Solar	Now Solid
2020. 05.	Gunghang Offshore Wind(200MW), Biz Development	Wind	Goonghang Offshore Wind
2020. 05.	Siha Offshore Wind(96MW), Biz Development	Wind	Siha Offshore Wind



## [Fuel Cell Business - key records]

## Seo(West) Incheon Fuel Cell Step 3 Generation Facility - Design

- \* Generation capacity: 18MW
- \* Fuel cell generation facility by use of LNG
- \* Basic and working design
- \* Ordered by : Samchully ES



## Siheung Baegot Fuel Cell Generation - Basic & Working Design

- \* Total costs: KRW3.21bn
- \* Generation capacity: 6MW
- \* Fuel cell generation facility by use of LNG
- \* Basic and working design
- \* Ordered by : LG CNS



## Sin(New) Incheon Fuel Cell Step 2 Generation Business - Design

- \* Total costs : KRW80.0bn
- \* Generation capacity: 18MW
- \* Fuel cell generation facility by use of LNG
- Basic and working design
- Ordered by : Samchully ES



## [ESS(Energy Storage System) - key records]

## Daesung Gases Factory - ESS Design & Supervision

- \* Storage capacity: 21.5MW
- \* Electricity rates savings : KRW3.0bn/year
- \* ESS(energy storage facility)
- \* Design and supervision
- \* Ordered by : SK D&D



## Hyundai Mipo Dockyard - ESS Design & Supervision

- \* Storage capacity: 10.41MW
- \* Electricity rates savings : KRW1.0bn/year
- \* ESS(energy storage facility)
- \* Design and supervision
- \* Ordered by : Hyundai Electric



## LG Chemical Ochang Factory - ESS Design & Supervision

- \* Storage capacity: 6.6MW
- \* Electricity rates savings : KRW400M/year
- \* ESS(energy storage facility)
- **Design and supervision**
- Ordered by : LG CNS





## [Design - key records]



## Puratos Korea, New Food Factory - Design

\* Location: Chungju City, Chungbuk Prov.

\* Total space: 3,330 m<sup>2</sup>

\* Design of electricity, mechanical, communication, firefighting, and ESCO

\* Ordered by : Iljin E&C, DIJ Architects





## Megacos Korea, Bio-valley New Construction - Design

\* Location : Hwaseong City, Gyeonggi Prov.

\* Total space : 11,838.39 m<sup>2</sup>

\* Electric design and supervision

\* Ordered by : Iljin E&C, DIJ Architects



## Goyang City, Neunggok Block 5 House Remodeling - Design

\* Location : Deokyang-gu, Goyang City

\* Total space : 131,898m2

\* Mechanical and F/F design

\* Ordered by : Goyang City, SB E&C



## [Design - key records]

## Yeongheungdo(Is.), Diomare New Lodging Facility - Design

\* Location : Ongjin-gun(county), Incheon

\* Total space : 27,899.67 m<sup>2</sup>

\* Elec., mechanical, comm., F/F design

\* Ordered by : Dae Myung D&C



## Songpa-gu(district), Wirye New Officetel(studio Apt.) - Design

\* Location: Wirye Block 6-2-1, Songpa, Seoul

\* Total space: 12,746m2

\* Mechanical, F/F design

\* Ordered by : SB E&C



## Jagok Kindergarten F/F Facility Improvement - Design

\* Location: Jagok, Gangnam-gu, Seoul

\* Total space : 9,628m²(kindergarten548.19m²)

\* Mechanical & electricity F/F design

\* Owner(ordered by) : Seoul Gangnam Seocho District Office of Education





## [Supervision/Diagnosis/Consulting/Safety - key records]

## Noeul Green Energy, Fuel Cell PP(20MW) PSM / Pre-use Check

- \* Total costs: KRW107.0bn(capa.: 20MW)
- \* PSM: process safety, risks & hazards, etc.
- \* Elec. safety check: dielectric strength, insulation resistance, earth resistance, protection device, etc.
- \* Ordered by : POSCO Energy



## LG Chemical, Cheongju Fuel Cell Power Plant(10MW) PSM

- \* Total costs : KRW60.0bn(capa. : 10MW)
- \* PSM: process safety, risks & hazards, safety guides, emergency plan
- \* Ordered by : LG Serveone



## Daegu, TCS1 Fuel Cell Power Plant(11.2MW) PSM

- \* Total costs : KRW60.0bn(capa. : 11.2MW)
- \* PSM: process safety, risks & hazards, safety guides, emergency plan
- \* Ordered by : The Cobalt Sky



## [Supervision - key records]

## Busan Myeongji Booyoung Apt. Construction - ICT & F/F Supervision

\* Land size : 85,785,7m<sup>2</sup>

\* Gross building space : 244,478.4939m<sup>2</sup>

\* Usage : apartment & property facilities

\* Size: 16 buildings, 1,210 households

B1/ above 18~20 floors

\* Ordered by : Donggwang Housing



## Hwaseong Dongtan(2) Complex Facility Construction

\* Land size : 34,412m<sup>2</sup>

\* Gross building space: 35,217.03m<sup>2</sup>

\* Usage : education facilities

\* Size : education facility - B1 / above 5 Fls. office facility - B1 / above 4 Fls.

\* Ordered by : Korea LH Corp.



## Siheung Baegot Area Fuel Cell(6MW) - Supervision

\* Total costs : KRW32.1bn

\* Generation capacity: 6MW

\* Fuel cell power plant by use of LNG

Electricity work supervision

Ordered by : LG CNS



## [Green Certificates - key records]

## Gwangju City, Hyocheon MS Green Building Green Certificate

- \* Gross building space: 3,748.78m<sup>2</sup>
- \* Building size : B1 ~ 4 floors(above)
- \* Green building certificate
- \* BF(barrier free environment) certificate
- \* Energy efficiency certificate



## Military, C Area Barracks Green Building Final Certificate

- \* ROK Airforce Jinju military facility (private sector investment)
- \* Gross building space: 1,413.13m<sup>2</sup> (3 floors above ground)
- \* Green building final certificate



## Goyang City, Neunggok Block 5 Housing Development Design

- \* Gross building space : 3,729.60m2
- \* Building size: 5 buildings, 25 floors above ground
- \* Environment-friendly house functions, energy saving, anti-frost, crime prevention



## CEO Profile

## ■ Current Position o CEO, Dream Engineering

## ■ Education

- o Sunchon National Univ., Korea (BA)
- o Hanyang Univ., Korea (MA)
- o Hanyang Univ., Korea (Ph. D)



## ■ External Activities

- o Professional Member(Commissioner), Electricity Regulatory Committee, MOTIE(Ministry of Trade Industry and Energy)
- o Commissioner, Construction Technology Review Committee, Gyeonggi-do(Province)
- o Commissioner, Korea Disaster Prevention Association
- o Vice Chairman, Korean Society of Fire Protection Prof. Engineers
- o Commissioner, Fire Protection Tech. Committee, Nat'l Fire Agency
- o Commissioner, Korea Electric Engineers Association

## Awards

- o President of Korea Oct. 2019
- o Governor of Chungbukdo Dec. 2019
- o Minister of Public Safety & Security May 2017

## Certificates / Licenses

- o 10 Certificates of Professional Engineers
- o Architecture Electric Facility, Electric Transmission & Distribution, Fire Prevention, Gas, ICT, Architecture Mechanical Facility, HVAC, Electricity Application, Electric Safety, Chemical Safety



## Certificates / Licenses

## [Architecture Elec. Facility]



## [Electric Transmission & Distribution]



## [Architecture Mechanical Facility



## [Fire Prevention]



## Certificates / Licenses

## [Electric Safety]



## [Electricity Application]



## [ICT]



## [HVAC]





## Certificates / Licenses

## [Chemical Safety]

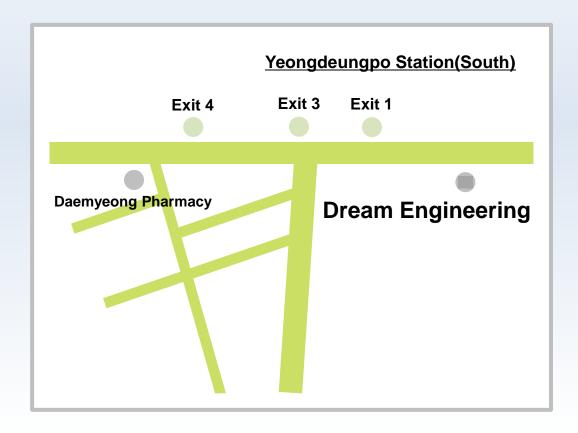


## [Gas]





# Contact (with HQ Map)



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