



Better Engineering
Better Future

레이지앤티엔지니어링

LAZYANT ENGINEERING CO. LTD. 2022

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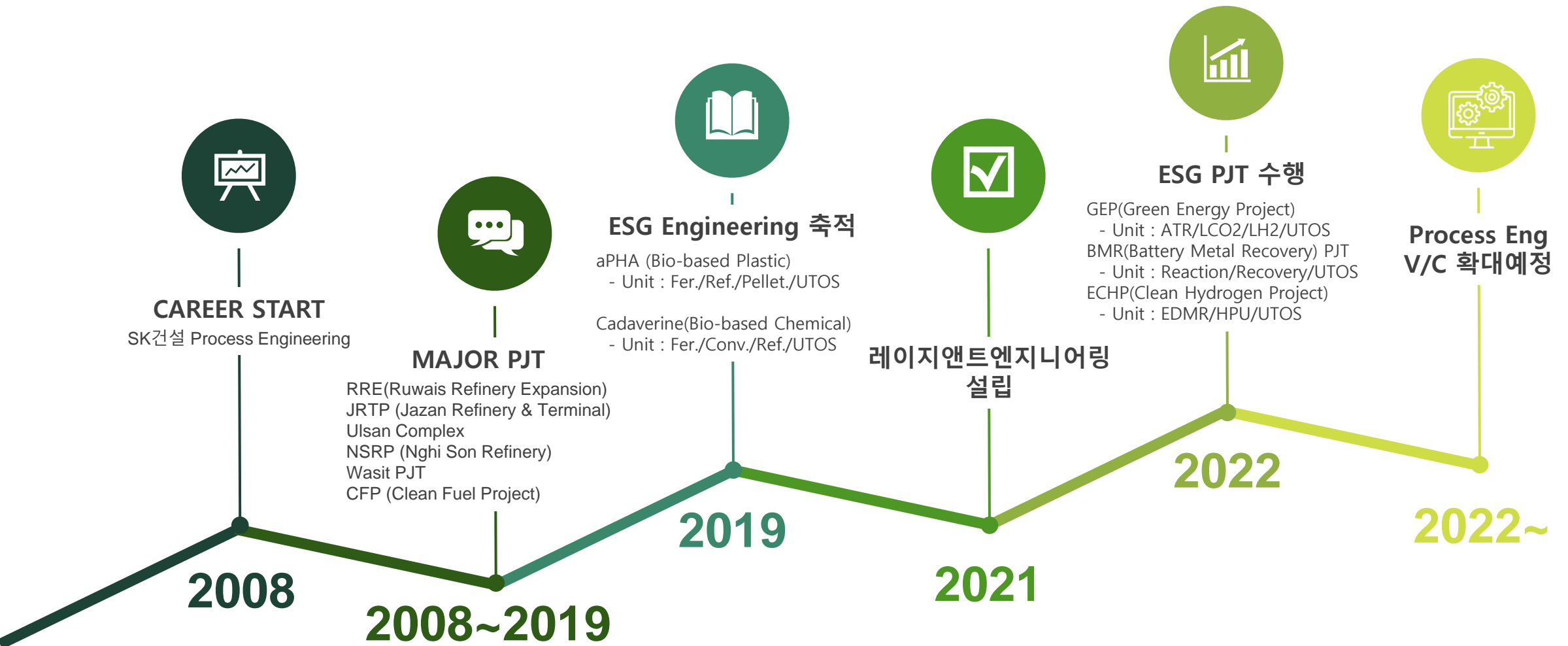
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1. 회사 개요 및 연혁



2. 업무영역



Process Design

- Conceptual & Basic Design
- Open Art Process Design
- Licensed Process Unit Verification



Simulation & Calculation

- Process Design & Evaluation using Simulation Software
- Equipment Specification (Sizing, Material, Parameter) Determination



Process Design Document

- Process Design Basis, Process Description, PFD, PID, Utility Summary, Line List etc. Process Design Document Provision



Project Execution

- Detail Engineering (Process)
- Coordination w/ other discipline (Process Interface Management)
- Control Scheme Review



Feasibility & Optimization Study

- Revamp, Process Development Study



Tech. Support

- Heat Exchanger Design & Verification (HTRI)
- Flare Simulation (Flarenet)



3. 보유인력 현황 (1/2)

김준수

박대희

윤형준

구정미

Co-work



Process Engineering 13Y

Process Engineering 10Y

Process Engineering 14Y

Process Engineering 7Y



- Jurong Aromatic PJT
: SWS / ARU (FEED)
- Gladston LNG PJT
: LNG (FEED)
- RRE PJT
: CDU / VDU
- JZR&TP PJT
: CDU / FLARE
- SK ULSAN PJT
: PE/PP REVAMP, PSA
- GEP#2 PJT
: Hydrogen Manufac.

- Forth Gas Train PJT
: UTOS
- NRP PJT
: Ref.
- RRE PJT
: HMU
- WASIT PJT
: WUC
- YERP PJT
: CDU / VDU
- NSRP PJT
: Aromatic
- Boryeong LNG
: LNG Terminal
- GEP#2 PJT
: Hydrogen Manufac.

- THPP#3 PJT
: PP / UTOS
- HCC PJT
: UTOS
- RRE PJT
: SWS / ARU
- UHV PJT
: HMU / UTOS
- NSRP PJT / KRP PJT
: UTOS
- aPHA PJT
: Bio Deradable Polymer
- Cadaverine PJT
: Bio-based Chemical
- BMR PJT
: Battery Li Recovery / UTOS

- RRE PJT
: CDU / SRU
- JZR&TP PJT
: CDU / Interface
- CFP PJT
: Offsite
- PJT Quality Ass. TF

HTRI

FLARE NET

HYSYS

PROII

ASPEN

3. 보유인력 현황 (2/2)

김정현

이이린



Process Engineering **2Y**
Commissioning Engineering **7Y**

Process Engineering **6Y**

- **UHV PJT**
: HMU / SRU / ARU

- **Polyols PJT**
: PPG / POP / PM

- **XPXN PJT**
: Hydro Electric Plant

- **WASIT PJT**
: SRU / UTOS

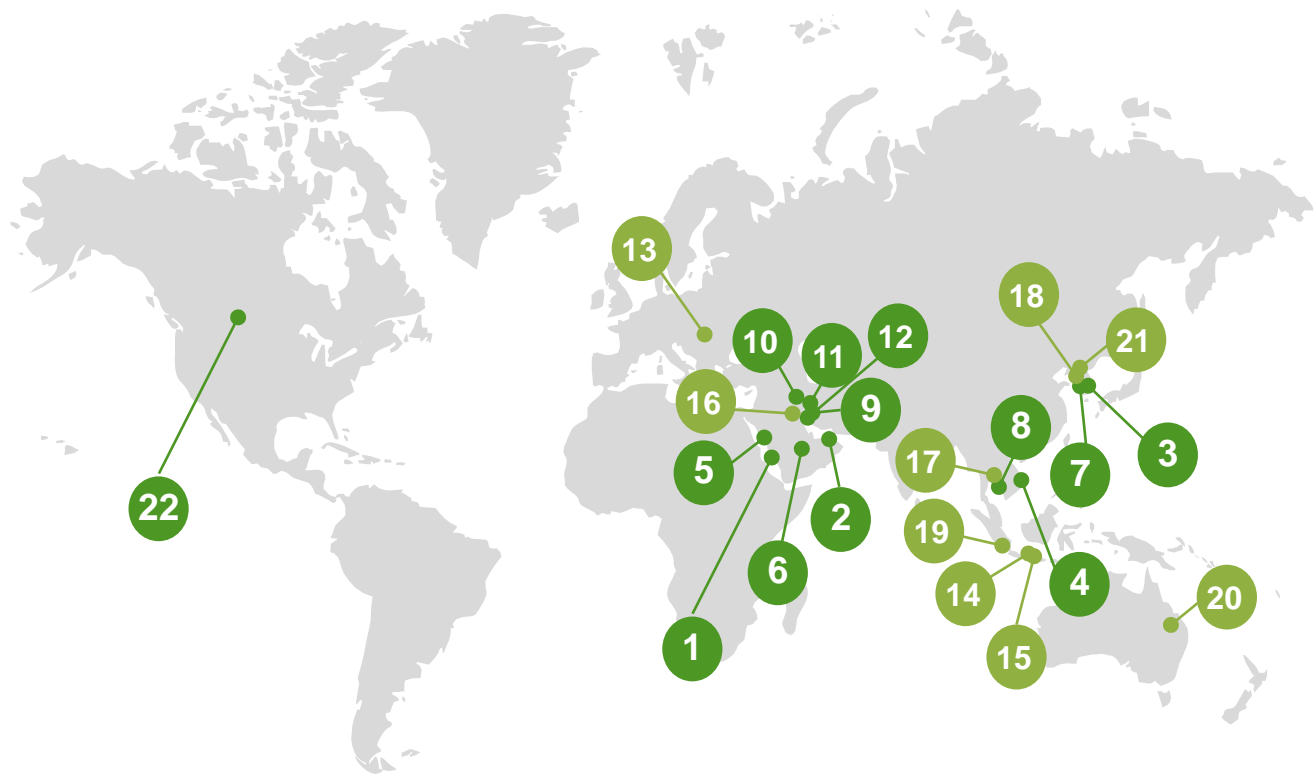
- **KRP PJT**
: CDU

- **NSRP PJT**
: SRU

- **KIPIC PRIZe PJT**
: RFCC



4. 주요 PROJECT 이력



| PROJECT | | | UNIT |
|--------------|----|--|---|
| Oil & Gas | 1 | JRTP (Jazan Refinery & Terminal Project) | Crude Distillation Unit, Flare Unit Pipe Rack / Interface |
| Oil & Gas | 2 | RRE (Ruwais Refinery Expansion) Project | Crude Distillation Unit Hydrogen Manufacturing Unit Sour Water Stripping/Amine Regeneration |
| Oil & Gas | 3 | Ulsan Complex PJT | PE/PP revamp, PSA, NRC compressor, VOCs |
| Oil & Gas | 4 | NSRP (Nghi Son Refinery and Petrochemical) | Aromatic / Utility |
| Oil & Gas | 5 | YERP (Yanbu Export Refinery) | Crude Distillation Unit/Vacuum Distillation Unit |
| Oil & Gas | 6 | Wasit Project | WUC (PKG#3) |
| Oil & Gas | 7 | Boryeong LNG Terminal Phase | LNG Terminal |
| Oil & Gas | 8 | UHV PJT | Hydrogen Manufacturing Unit, SWS/ARU, Utility |
| Oil & Gas | 9 | CFP (Clean Fuel Project) | Interconnection Piperack/Tankage |
| Oil & Gas | 10 | Karbala PJT | Utility, Water System |
| Oil & Gas | 11 | New Refinery Project | Refinery |
| Oil & Gas | 12 | Fourth Gas Train Project | UTOS |
| Chem. & Ind. | 13 | BMR PJT (Battery Metal Recovery) | Lithium Hydroxide Recovery UTOS |
| Chem. & Ind. | 14 | aPHA PJT | Bio-based Polymer Process / Scale-up / Commercial Tech. Transfer |
| Chem. & Ind. | 15 | Cadaverine PJT | Bio-based Chemical Process Evaluation |
| Chem. & Ind. | 16 | M PJT | Rock Cavern, Water System |
| Chem. & Ind. | 17 | THPP#3 (Thai Polypropylene #3) Project | Polymer Process / Solid Handling / Pelletizing / Utility |
| FEED | 18 | GEP (Green Energy Project) | ATR/LCO2/LH2/UTOS (FEED) |
| FEED | 19 | JAC (Jurong Aromatics Complex) Project | Amine Recovery Unit / Sour Water Stripping Unit (FEED) |
| FEED | 20 | Gladstone LNG Project | LNG project (FEED) |
| FEED | 21 | HCC OBL Project | Tankage & Off-site, Utility (FEED) |
| DBM | 22 | ECHP (Clean Hydrogen Project) | EDMR/HPU/UTOS |



THANK YOU



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