



CGE Engineering

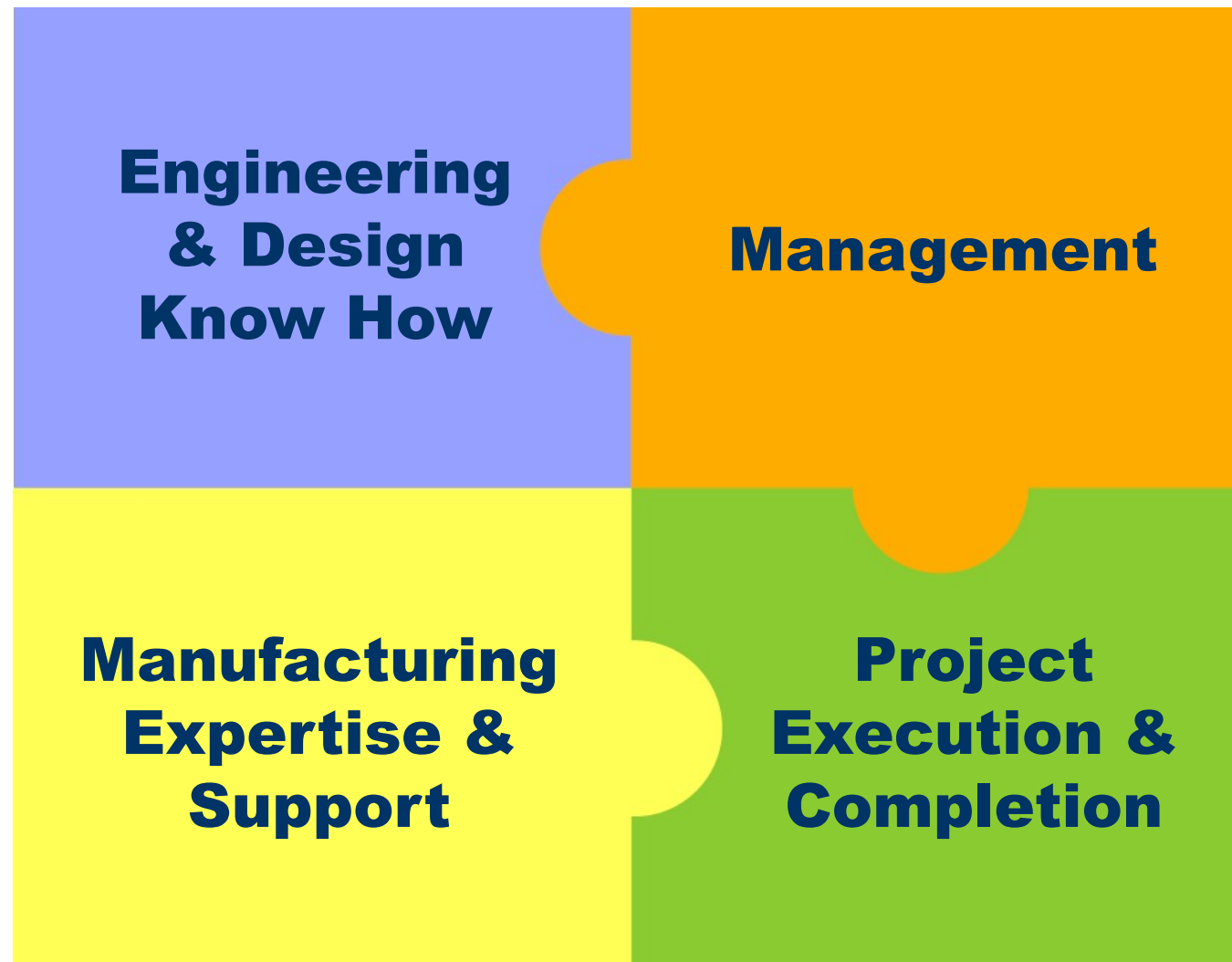
Compagnia Generale

ENGINEERING CAPABILITIES

CGE ENGINEERING

- FEED CONSULTANT
- ENGINEERING AND PROCESS TECHNOLOGY SERVICES
- PROCUREMENT SERVICES
- EPC PACKAGES AS MAIN CONTRACTOR OR AS SUBCONTRACTOR TO FULLY INTEGRATED EPC COMPANIES
- EXPERTISE IN OIL, GAS, LIQUIDS, CHEMICAL, POWER AND WATER INDUSTRIES

CONCEPT

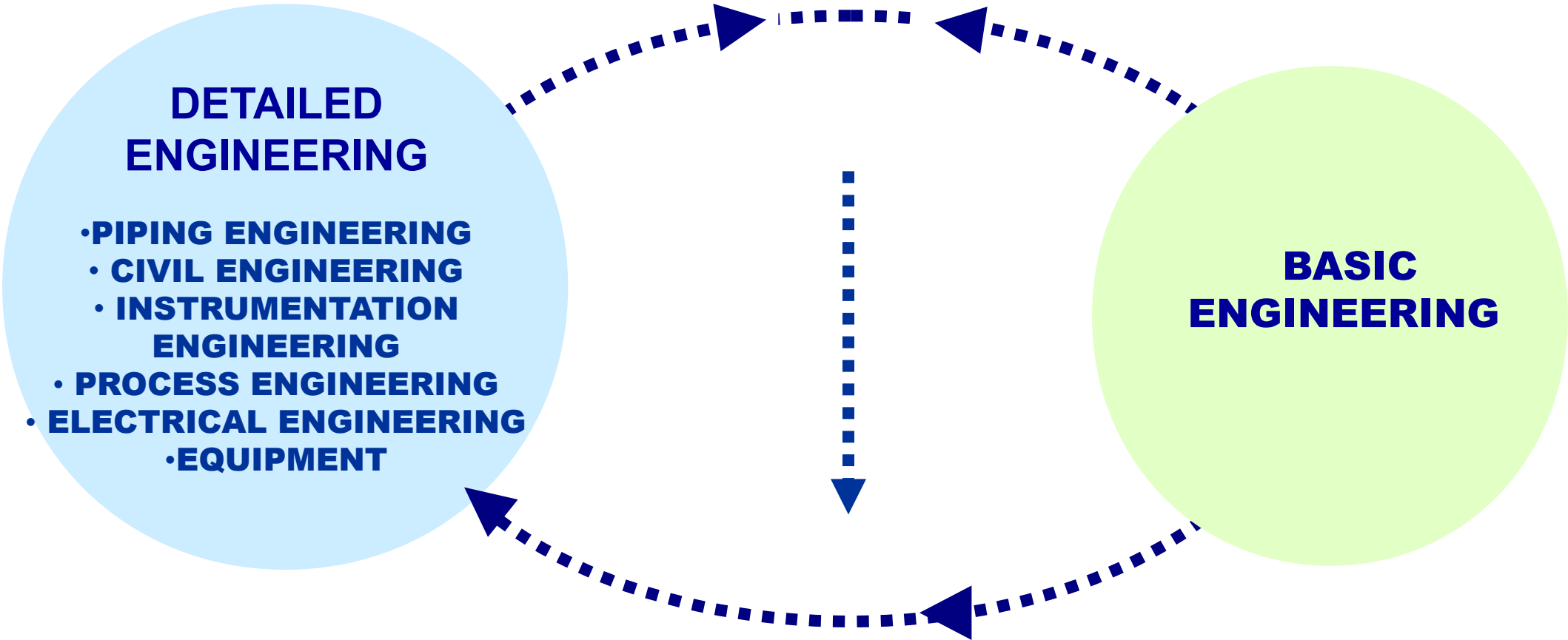


**WE ARE A WORLD CLASS PROVIDER
OF ENGINEERED
PACKAGE SOLUTIONS**

CGE Engineering ACTIVITIES



CGE ENGINEERING



**PROVIDES MULTI-DISCIPLINE
DETAILED ENGINEERING
SERVICES**

ENGINEERING PROCESS OUTSOURCING (EPO)



ORGANIZATION

Engineering managers will ensure compliance with project requirements & time of overall engineering including sub-contracting work

TECHNICAL DEPARTMENT

Each nominated project discipline leader shall account for correctness of technical design, including all sub-contracting work

PROCEDURES

Proper quality procedures (QA/QC) will be followed to ensure good quality of outsourced engineering work including performing audits, reviews, & technical coordination meetings

IT INFRASTRUCTURE

IT and communication technologies will be standardized and used for all outsourced engineering)

RESOURCES

Experience in constuction

Experience in revamping

Experience in LSTK

Oriented to optimize LSTK

Engineering with 3D IT tools

PACKAGES HANDLED

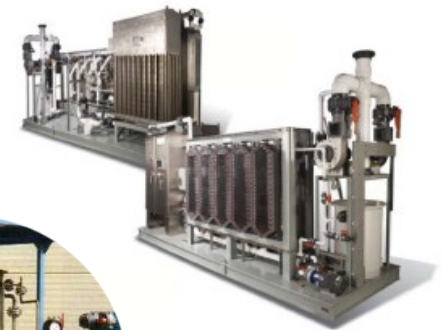
GLYCOL REGENERATION PACKAGE



FUEL GAS TREATING /
CONDITIONING
PACKAGE



NITROGEN GENERATION
PACKAGE



RECOVERY UNIT FOR CCR
PLATFORMING PROCESS
GAS



AIR COMPRESSOR
PACKAGE

CHEMICAL
INJECTION
PACKAGE

ELECTROCHLORINATION
PACKAGE



PHOTOS OF PACKAGES HANDLED



GLYCOL CONTACTOR



GLYCOL REGENERATION
UNIT

UNIQUE COMPETITIVE ADVANTAGES GAINED BY PARTNERING WITH CGE ENGINEERING

- SHORTER DELIVERY TIME
- INCREASE ENGINEERING KNOW HOW AND INNOVATIVE SOLUTIONS BASED ON PRODUCTION PRE-FABBRICATION DEVELOPMENT
- OPTIMIZATION OF ENGINEERING SPECIFICATION OF MATERIAL REQUISITIONS THEREFORE AVOIDING OVER DESIGN & OVER COSTS
- REDUCED RISK OF MULTIPLE CONTACT/CONTRACT MANAGEMENT
- CLOSER RELATIONSHIP TO MANUFACTURED COMPONENTS OR END PRODUCT

INSTALLED SOFTWARE

Process Simulation and Analysis :



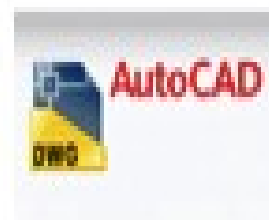
Process and Mechanical Design :



Flexibility/Piping Stress Analysis:



Detailed Engineering & CAD :



Project Controls:



SOFTWARE CAPABILITY

Process Simulation and Analysis :



Documents control:



Structural Analysis:



Electrical (Electrical system design):



Detailed Engineering & CAD :



Instrumentation and Control:

SmartPlant® Review
SmartPlant® P&ID

AUTOPLANT

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