

# NEW BUSINESS – FGSS

## FGSS + TANK + INSULATION

The fuel gas supply system is a gas-propelled ship's fuel supply system. It is a system that vaporizes cryogenic LNG and supplies NG at the temperature and pressure required by the DF engine. The scope of work/supply which SEJIN offers to its client is an **All-in-One Stop** solution of FGSS for Gas Fueled ship

## LOW-TEMPERATURE & CRYOGENIC SPRAY FOAM INSULATION

(LNG, LPG & LEG Cargo, Fuel, Bunker Tank)

We are a leader in the industry, delivering low-temperature and cryogenic insulation solutions for cargo tanks, fuel tanks and pipe system in the maritime, energy, plant and commercial markets. Our spray foam insulation solutions can be applied to any low-temperature, independent, self-supported tank structure.



## ADVANTAGES OF SEJIN, ALL-IN-ONE STOP GAS SOLUTION

<b>Single Provider</b> (Fuel Tank, Insulation and FGSS)	<ul style="list-style-type: none"> <li>• Single contact point (quickest response)</li> <li>• No interface issues (design, fabrication etc.)</li> <li>• Commissioning, gas trial by single provider</li> <li>• Total responsibility</li> </ul>
<b>Fabrication at Single site</b> (Fuel Tank, Insulation & FGSS)	<ul style="list-style-type: none"> <li>• Save transportation time &amp; cost</li> <li>• Fabrication shops (total 6), RT room</li> <li>• Dedicated insulation shop</li> </ul>
<b>Flexible Skid Module Fabrication</b>	<ul style="list-style-type: none"> <li>• Maximize skid module</li> <li>• (TCS, HP pump skid, Vaporizer skid, FGSS room etc.)</li> </ul>
<b>Wide Experiences &amp; Technology</b>	<ul style="list-style-type: none"> <li>• World No.1 Fabrication records for cargo and fuel tanks</li> <li>• Insulation laboratory</li> <li>• Insulation works (Type A, B and C)</li> </ul>
<b>Advanced Welding Technology</b>	<ul style="list-style-type: none"> <li>• Welding laboratory</li> <li>• Qualified welders (9% Ni, High Mn, SUS)</li> </ul>
<b>One Stop After Service</b>	<ul style="list-style-type: none"> <li>• Quickest troubleshooting</li> <li>• Technical &amp; warranty service</li> </ul>



- A FGSS, Fuel Tank, Insulation
- B Bunkering System

## Total Solution Provider



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# SEJIN

CARGO TANK SPECIALISTS  
FROM KOREA

# TOTAL SOLUTION PROVIDER FOR CARGO TANK (ENGINEERING, PROCUREMENT, CONSTRUCTION, INSULATION)

- ① The world's largest tank manufacturing reference (Type A, B, C)
- ② Capable of Engineering, Procurement, Fabrication and Insulation
- ③ Capable of manufacturing tanks using all type of applicable steel materials
- ④ Specialized in large scale of LPG, Ammonia, LCO2 tanks
- ⑤ One and only Bi-Lobe Tank (Type-C) manufacturer in Korea
- ⑥ Domestic(Korea) Market Share 90%, Global Market Share 50%

## IMO TYPE-A

### LPG, AMMONIA, LEG CARRIER



PRODUCT	CAPA	TANK CAPACITY (m3)	Q'TY	TOTAL WEIGHT (Ton)
LPG	40K	12,600/14,500/12,900	3	2,337
	45K	13,800/19,050/12,150	3	2,604
	88K	20,405/22,660/22,660/22,275 4	4	4,609
	91K	19,630/24,070/24,070/23,230 4	4	4,810

## IMO TYPE-B

### LNG FUEL TANK (CONTAINER)



PRODUCT	CAPA	TANK CAPACITY (m3)	Q'TY	TOTAL WEIGHT (Ton)
LNG TANK	12K	12,000	1	970

## IMO TYPE-C

### CARGO TANK LPG, LCO2 CARRIER / LNG BUNKERING VESSEL



PRODUCT	TYPE	CAPA	TANK CAPACITY (m³)	Q'TY	TOTAL WEIGHT (Ton)
LNG TANK	CYLINDRICAL	18K	6,000	3	1,170
	BI-LOBE	30K	10,000	3	2,051
LPG TANK	BI-LOBE	22K	5,500	4	2,591

## DECK (FUEL) TANK

### LNG, LPG, AMMONIA, LH2 TANK

GROSS LOUME (m3)	DESIGN PRESSURE (bar g)	BOR (%/day)	DIMENSION (m)		INSULATION
			L	DIA	
500	5	0.71	24.4	5.2	PUF
1,000		0.43	27.2	7	PUF
1,800		0.35	31.4	9	PUF
2,850		0.30	45.1	9.3	PUF
3,750		0.23	34.8	12.5	PUF
4,600		0.25	34.2	14.1	PUF

# OPTIMAL PRODUCTION INFRASTRUCTURE FOR MANUFACTURING LARGE-SCALED SHIP BLOCKS

- ① Most efficient mass production line in the world (Steel Cutting Facility, RT Room, Painting Shop, Heavy Lift Zone)
- ② 495,000m2 with ground bearing capacity of 200 tons /m2
- ③ Annual production capacity of 238,800 tons

## OPTIMAL PRODUCTION FACILITIES



# CERTIFICATES AND MAJOR CLIENTS

## MANUFACTURING (ISO, ASME, HSE, ETC)



## SPRAY INSULATION (CLASSIFICATION)



## TANK, LNG FG55, LH2 FG55



## MAJOR CLIENTS

