

미부중공업(주) 회사소개서

미부중공업 주식회사

미부중공업(주) 통영안정1공장

주소 : 경상남도 통영시 광도면 공단로 946

전화 : 055 645 3621 팩스 : 055 646 3622

미부중공업(주) 통영안정2공장

주소 : 경상남도 통영시 광도면 공단로 850

전화 : 055 641 3622 팩스 : 055 641 3623

홈페이지 : www.miboo.co.kr

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01	회사개요	● 회사 경영 이념 ● 회사 위치 ● 회사 연혁 ● 전체 조직도
02	공장	● 공장배치 ● 주요 장비 ● 주요 크레인 ● 상세사항
03	프로젝트 및 조직	● 미부인텍(주) Track Record ● 미부중공업(주) Track Record ● 미부인텍(주) 제작품 사진 ● 미부중공업(주) 제작품 사진 ● 미부중공업(주) 수리선 사진
04	품질환경안전보건	● 품질조직도 ● 품질환경안전보건 방침 ● ISO 인증서 ● 선급 공장 승인서 ● WPS 보유 현황 ● 안전활동

01. 회사 개요

회사 경영 이념

회사위치

회사 연혁

전체 조직도



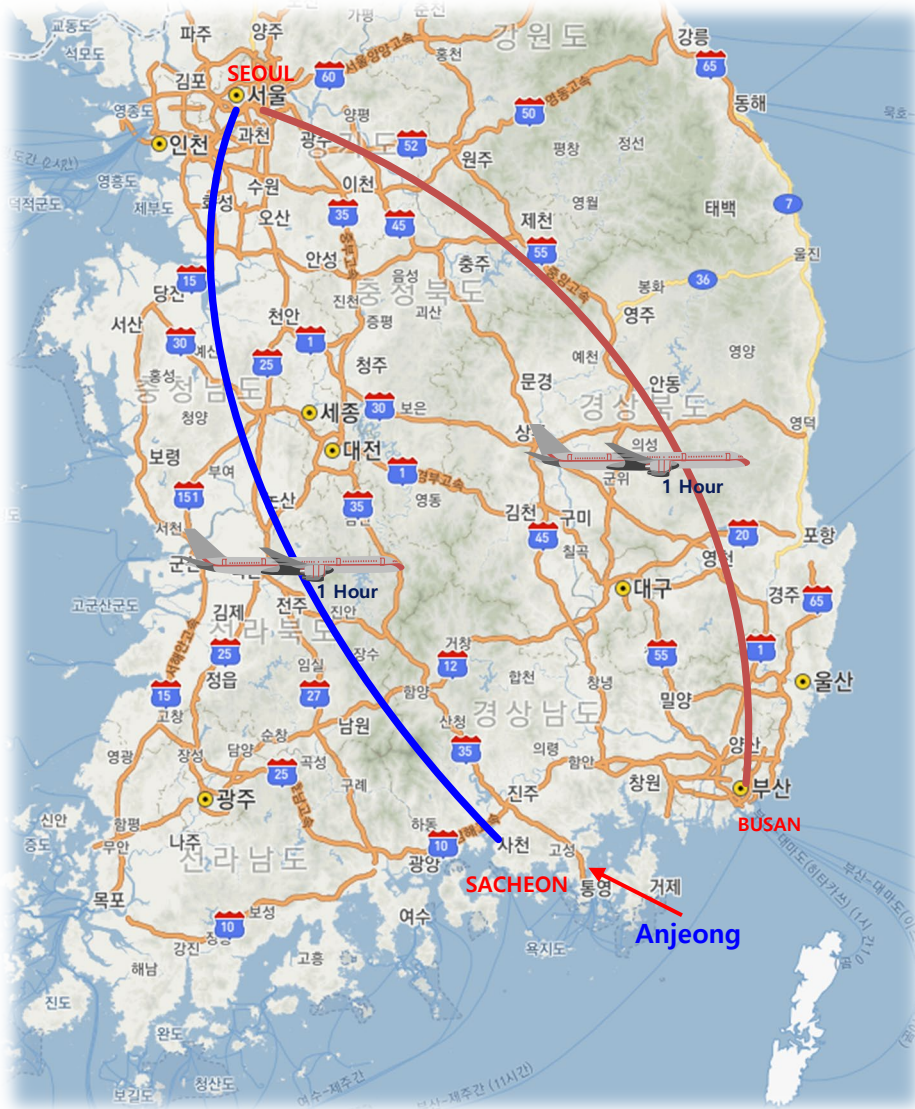
회사 경영 이념

미부중공업(주)은 고객에게 최고의 품질의 제품과 서비스를 제공하여 성장하는 기업입니다.



01. 회사개요

회사 위치



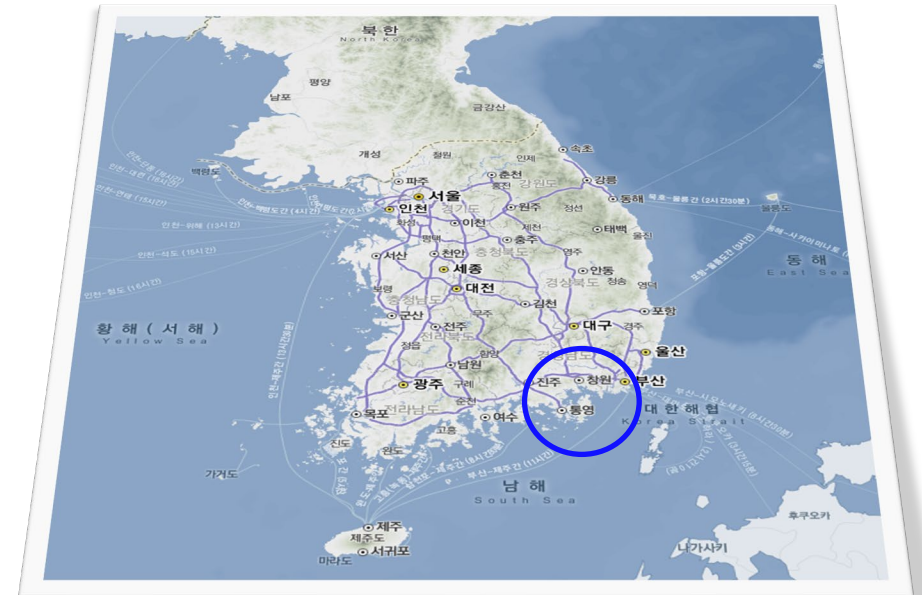
미부테크㈜ 통영안정공장 오시는 길

경로 1 (서울 - 부산 - 통영시 안정공단)

- (1) 서울 → 부산
· 항공편으로 약 1시간
- (2) 부산 → 통영시 안정공단
· 차량으로 약 1시간 30분 소요

경로 2 (서울 - 사천 - 통영시 안정공단)

- (1) 서울 → 사천
· 항공편으로 약 1시간
- (2) 사천 → 통영시 안정공단
· 차량으로 약 40분 소요

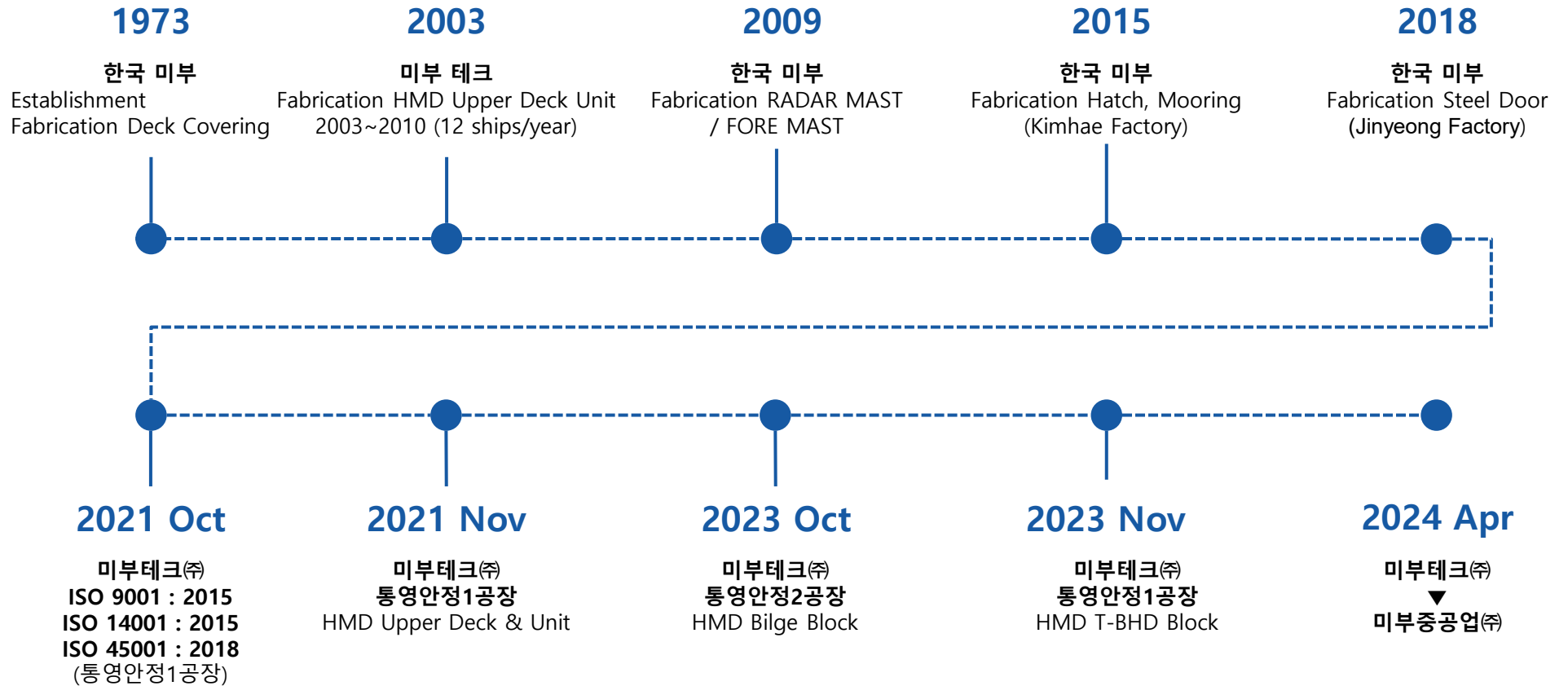


회사 위치 (HD현대미포로부터의 거리)

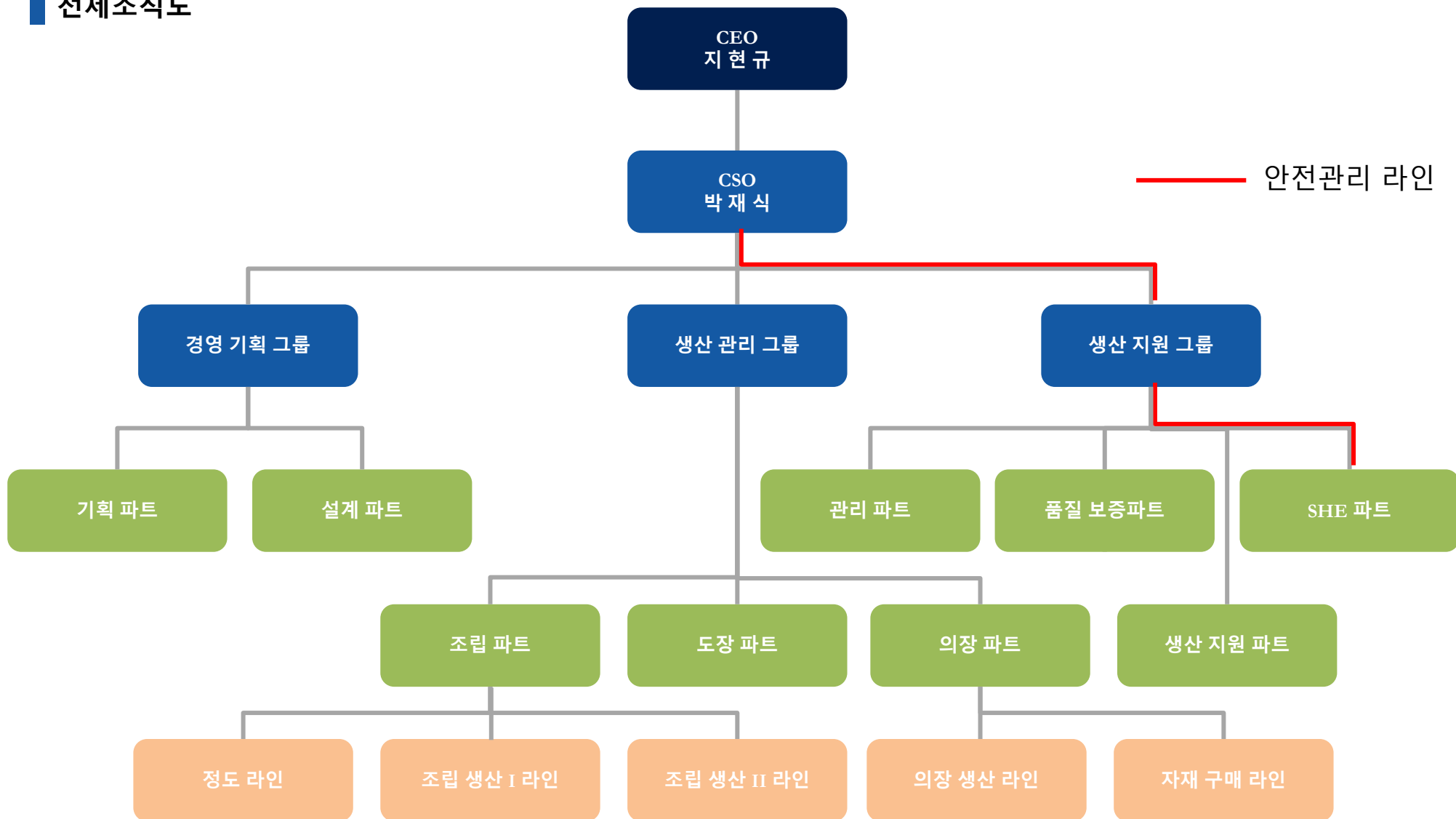


회사위치(미부중공업(주) 통영안정1공장과 미부중공업(주)통영안정2공장)





01. 회사개요
전체조직도



02. 공장

공장배치

주요장비

주요크레인

상세사항



1공장 배치도

전체 공장 면적 약 25,000평(82,500m²)



1공장 주요 설비-1

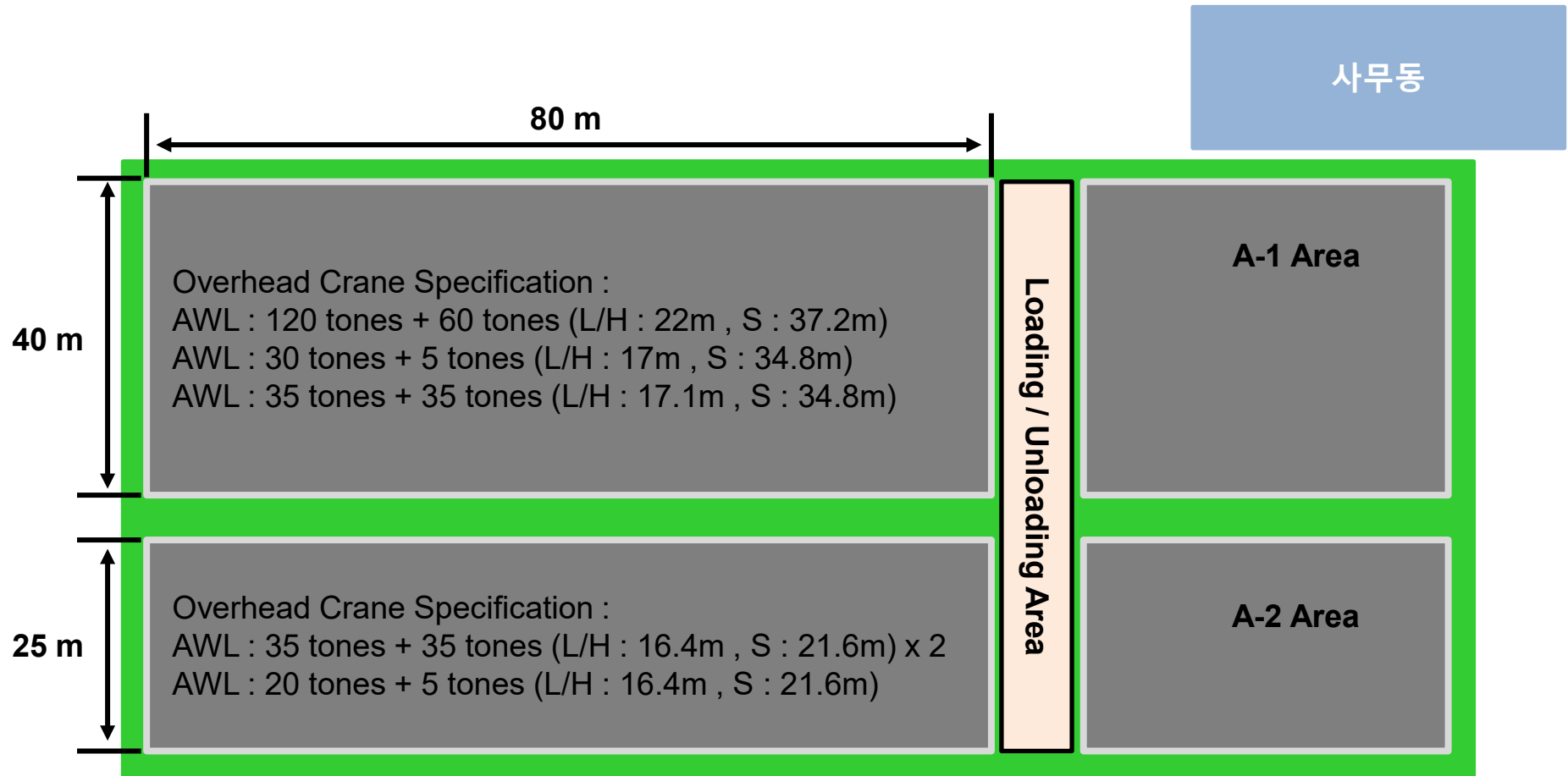
순번	설비명	사양		수량	단위	위치	비고
1	에어 컴프레셔	380V / 200	Hp	6	EA	야드	
2	에어 컴프레셔	380V / 250	Hp	3	EA		
3	에어 컴프레셔	380V / 400	Hp	4	EA		
4	변압기	380V / 2,000	kVA	2	EA		
5	변압기	380V / 600	kVA	1	EA		
6	변압기	380V / 1,500	kVA	1	EA		
7	변압기	6,600V / 1,000	kVA	1	EA		
8	변압기	380V / 3,300	kVA	1	EA		
9	변압기	220V / 500	kVA	1	EA		
10	변압기	6,600V / 1,000	kVA	1	EA		
11	변압기	380V / 440	kVA	2	EA		

1공장 주요 설비-2

순번	설비명	사양		수량	단위	위치	비고
12	제습기	440V*60Hz /15,000CMH		1	EA	도장장	
13	제습기	380V*60Hz / 15,000CMH		2	EA		
14	제습기	380V*60Hz / 15,000CMH		2	EA		
15	집진기	3000M ³ / min		2	EA		
16	전처리장비			1	EA		
17	냉방기	440V*380V		2	EA	C/D Area	
18	집진기 휠형			2	EA	A/B/C/D Area	
19	Transporter	600	Ton	1	EA		
20	Transporter	320	Ton	1	EA		
21	CO2 용접기	600	A	380	EA		
22	자동 용접기			10	EA		
23	가우징기	1500	A	7	EA		
24	SAW 자동용접기	1500/2000	A	8	EA		

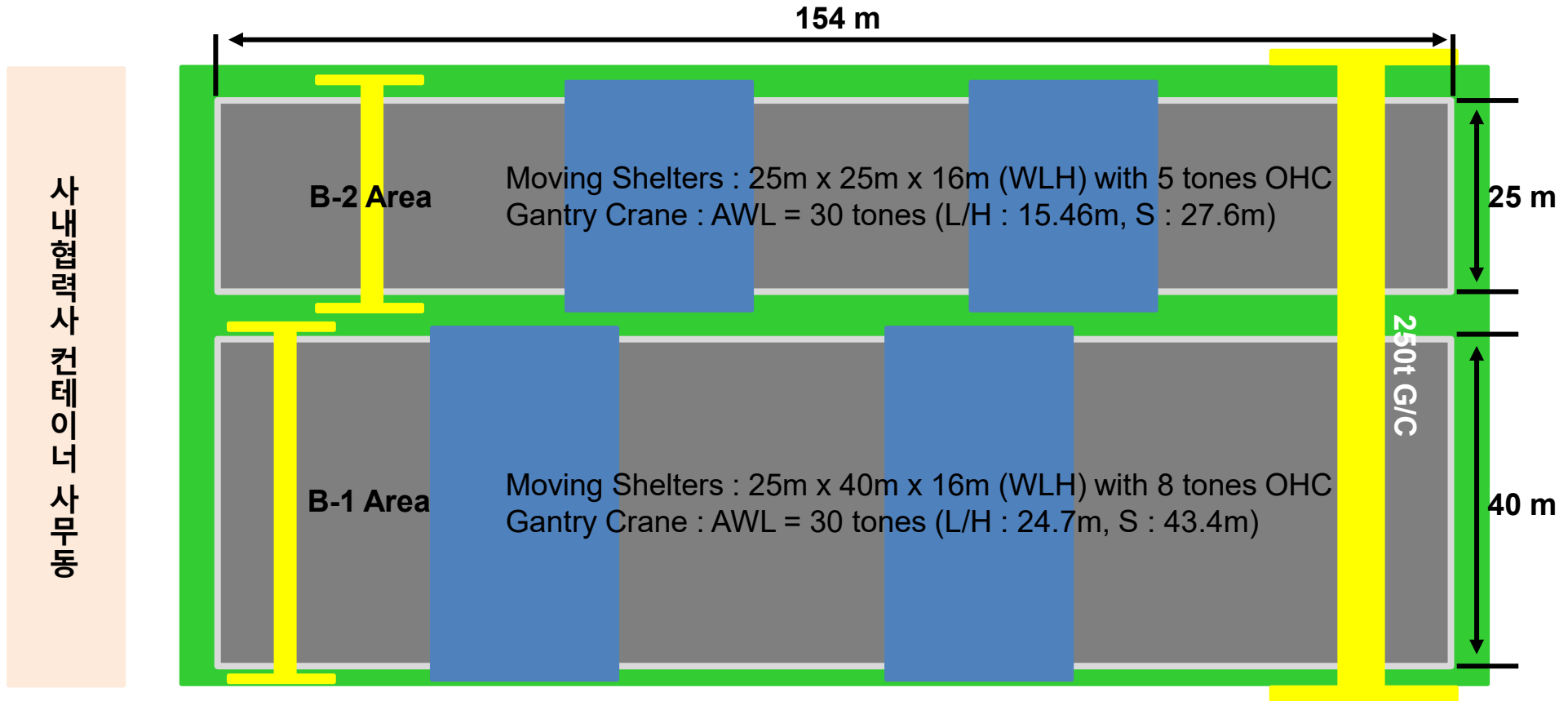
1공장 크레인 설치

순번	설비명	사양		수량	단위	위치	비고
1	Goliath Crane (G/C)	300	Ton	1	EA	D Area	
2	Goliath Crane (G/C)	250	Ton	1	EA	C Area	
3	Overhead Crane	120(120+60)	Ton	1	EA	A Area	
4	Overhead Crane	70(35+35)	Ton	2	EA		
5	Overhead Crane	30	Ton	2	EA		
6	Overhead Crane	20/5	Ton	1	EA		
7	Gantry Crane	30	Ton	2	EA	B Area	
8	Shelter Crane 2T	2	Ton	2	EA		
9	Shelter Crane 2.8T	2.8	Ton	2	EA		
10	Gantry Crane	20	Ton	2	EA		
11	Shelter Crane 5T	5	Ton	2	EA	C Area	
12	Gantry Crane	20	Ton	1	EA		

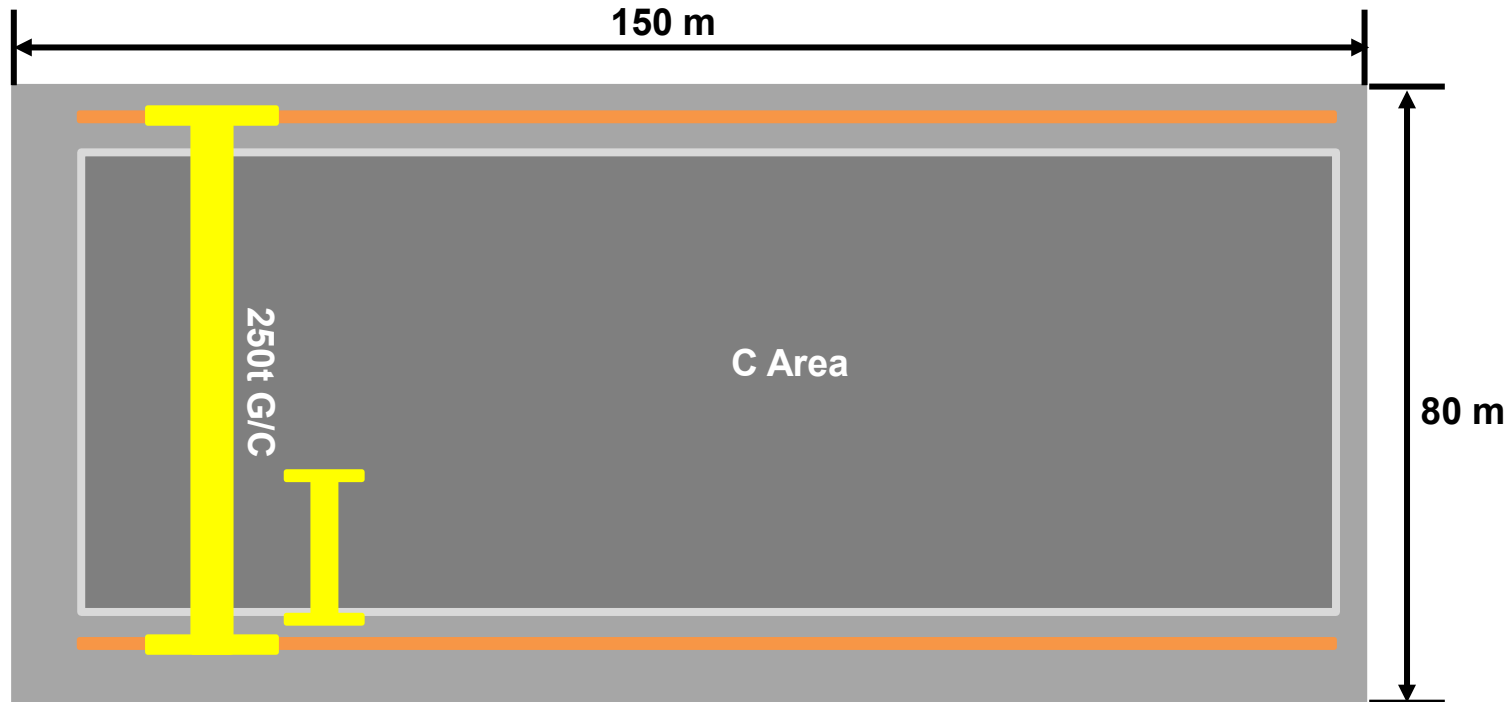


Note : No.A-1 Area : 120m x 40m, No.A-2 Area : 120m x 25m
(Widths are between CL to CL of Columns)

옥외 무빙헬타 조립장 및 1 P.E장 상세도



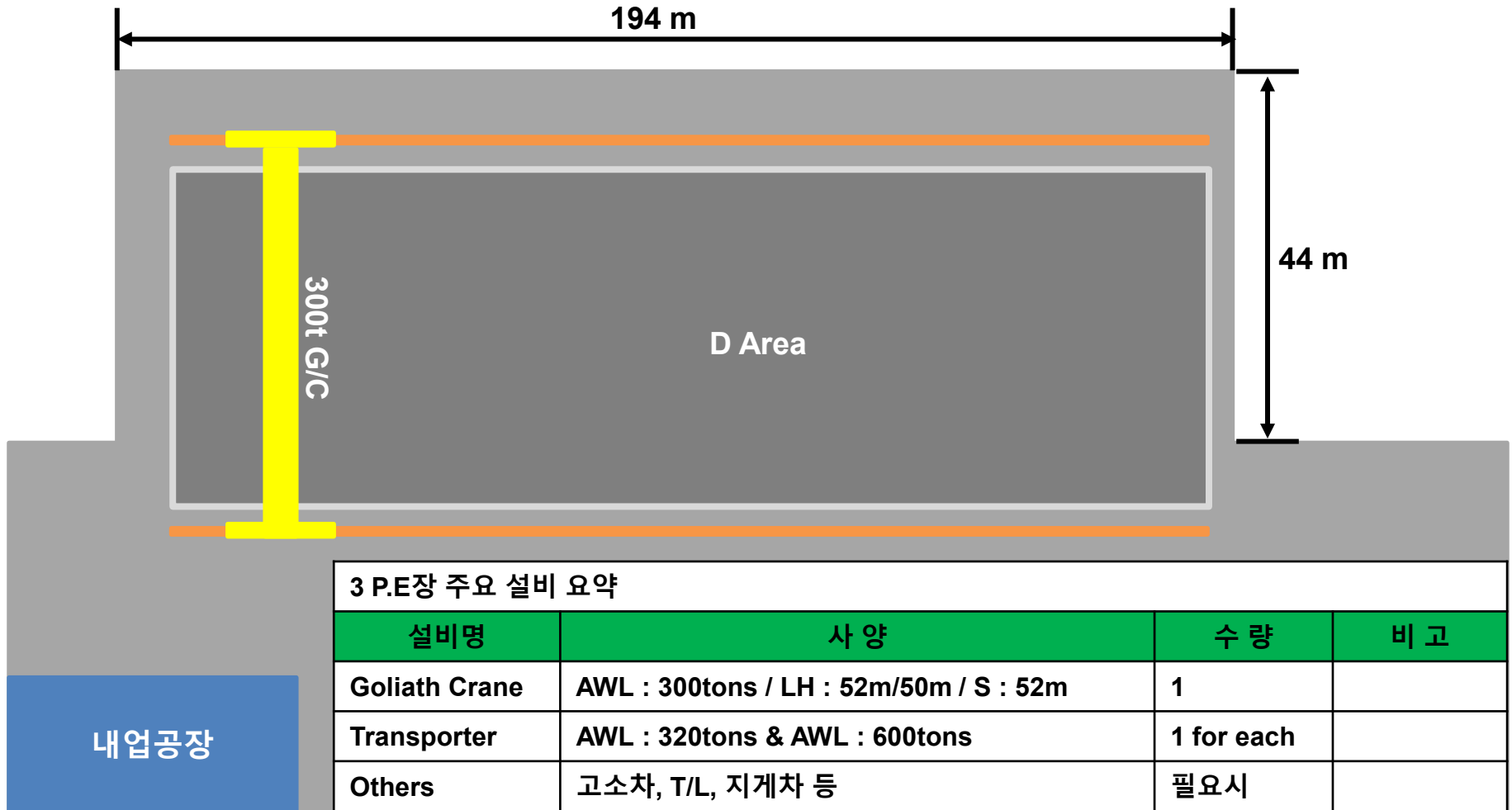
Note : Effective Working Area : 154m x 65m (Rail Length x Width of Shelter)



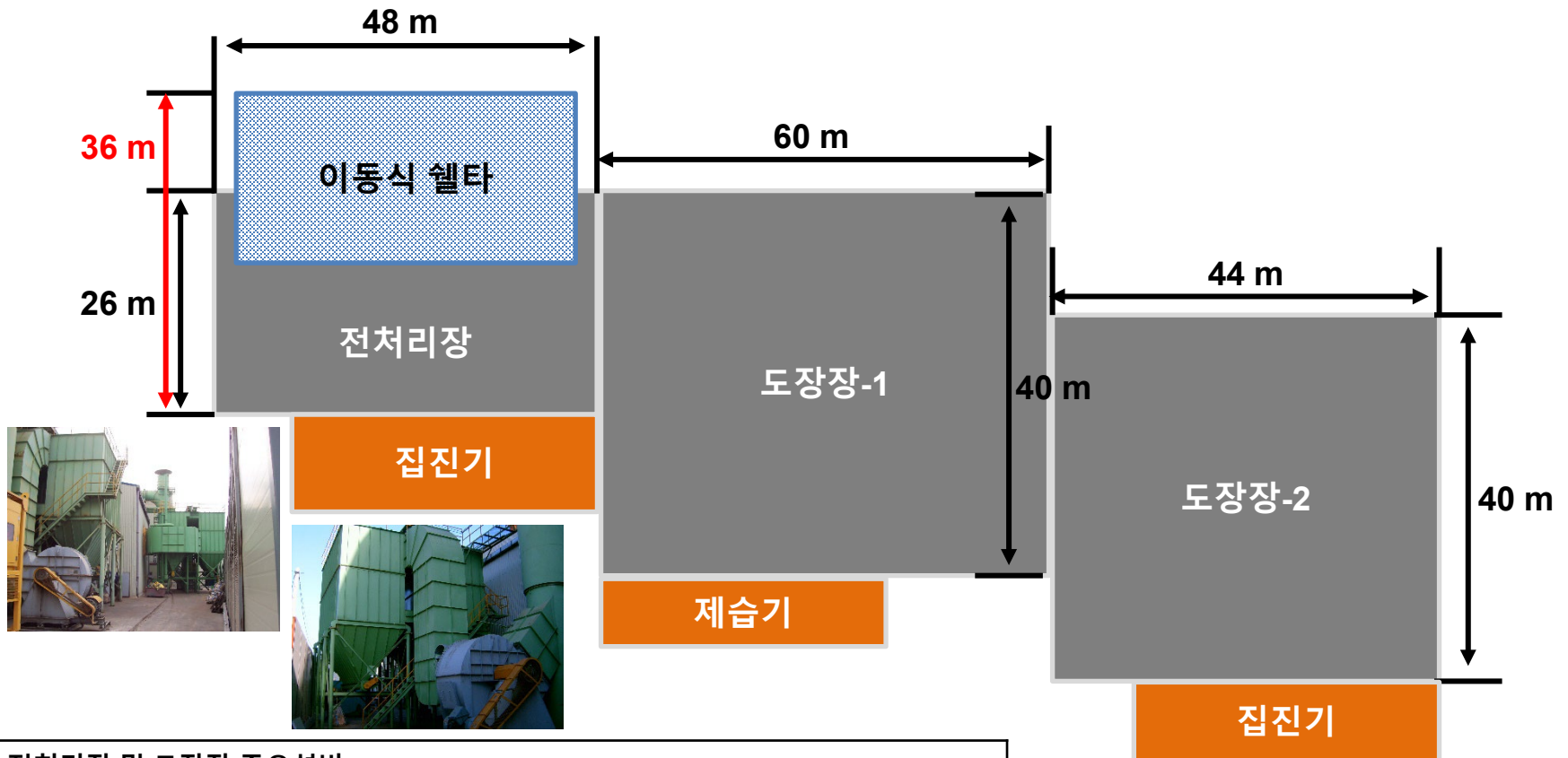
2 P.E장 주요 설비 요약

설비명	사 양	수 량
Goliath Crane	AWL : 250tons / LH : 55m / S : 81m	1
Gantry Crane	AWL : 20tons / LH : 11.8m / S : 20m	1
고소차 및 T/L	Z-45/25J(14.07m), P-150A(0.25톤), SJ III 4626	필요시

옥외 3 P.E장 상세도



전처리장 및 도장장 상세도

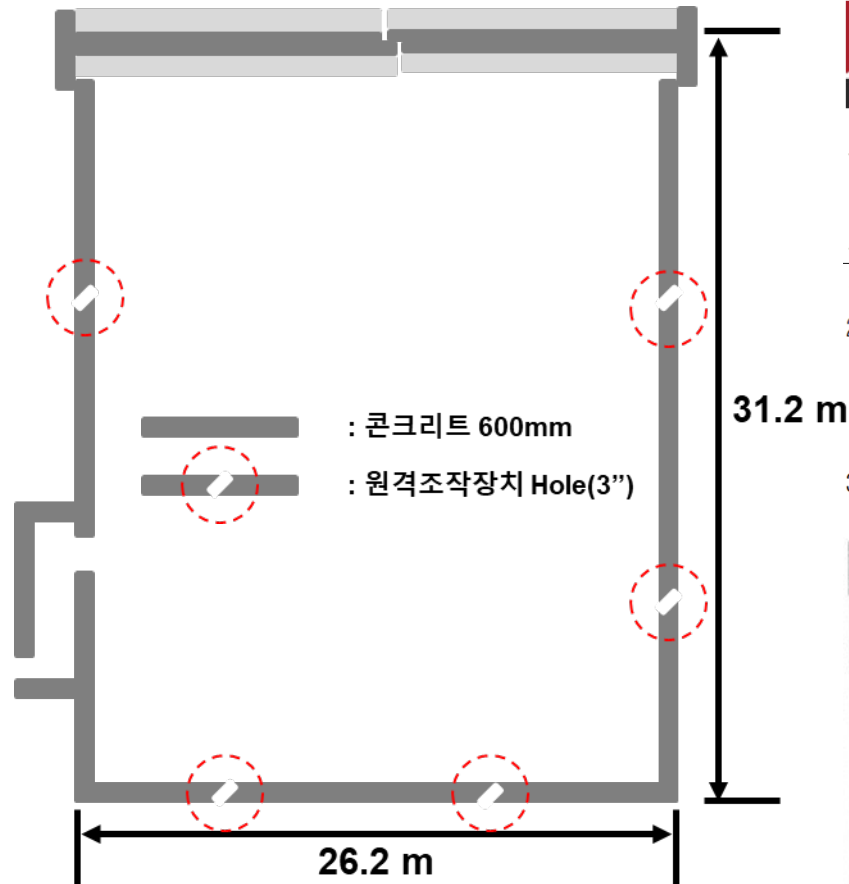


전처리장 및 도장장 주요설비

위치	크기	수량	사용처
Blasting Shop	48m * 36m	1	표면처리
Painting Shop-1	60m * 40m (+α)	1	도장
Painting Shop-2	44m * 40m	1	도장



RT Room



RT Room 설비			
위치	크기	수량	사용처
RT Room	26.2m * 31.2m	1	Block & Pipes



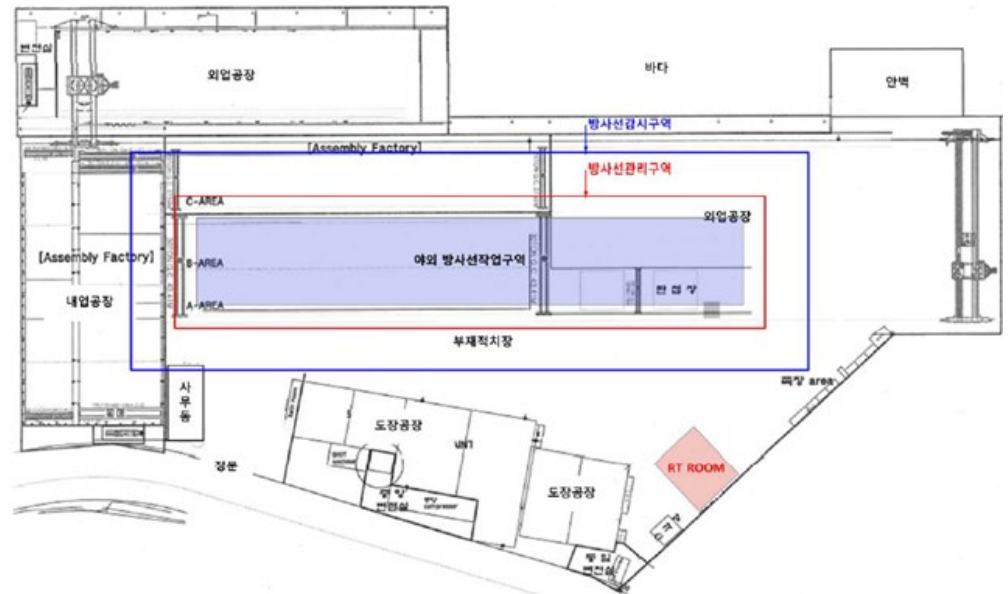
한국원자력안전기술원

수신자 세명검사기술(주) 대표이사(방사선안전관리자)

(경유)

제 목 방사선투과검사 목적의 작업장 변경 신고 심사결과 통보

1. 관련 : 전자민원-202121435M (2021.11.24)
2. 귀 기관의 방사선투과검사 목적의 작업장 변경 신고에 대하여 심사한 결과 원자력안전법 제53조 및 동법 시행규칙 제64조에 적합하여 아래와 같이 변경되었음을 통보합니다.
가. 작업장 명칭 : 미부테크(주) 통영 안정공장
나. 변경사항 : 작업구역, 검사대상물(대조 내 배관), 방사선관리구역 및 작업방법 변경
3. 방사선 인허가 및 안전관리에 관한 문의사항은 방사선안전관리통합정보망(<https://rasis.kins.re.kr>) 또는 방사선애로기술지원센터(080-004-3355)를 활용하여 주시기 바랍니다. 끝.



RT Room은 한국원자력안전기술원(KINS)으로부터 승인 받음.

2공장 배치도

전체 공장 면적 약 6,000평(19,857m²)

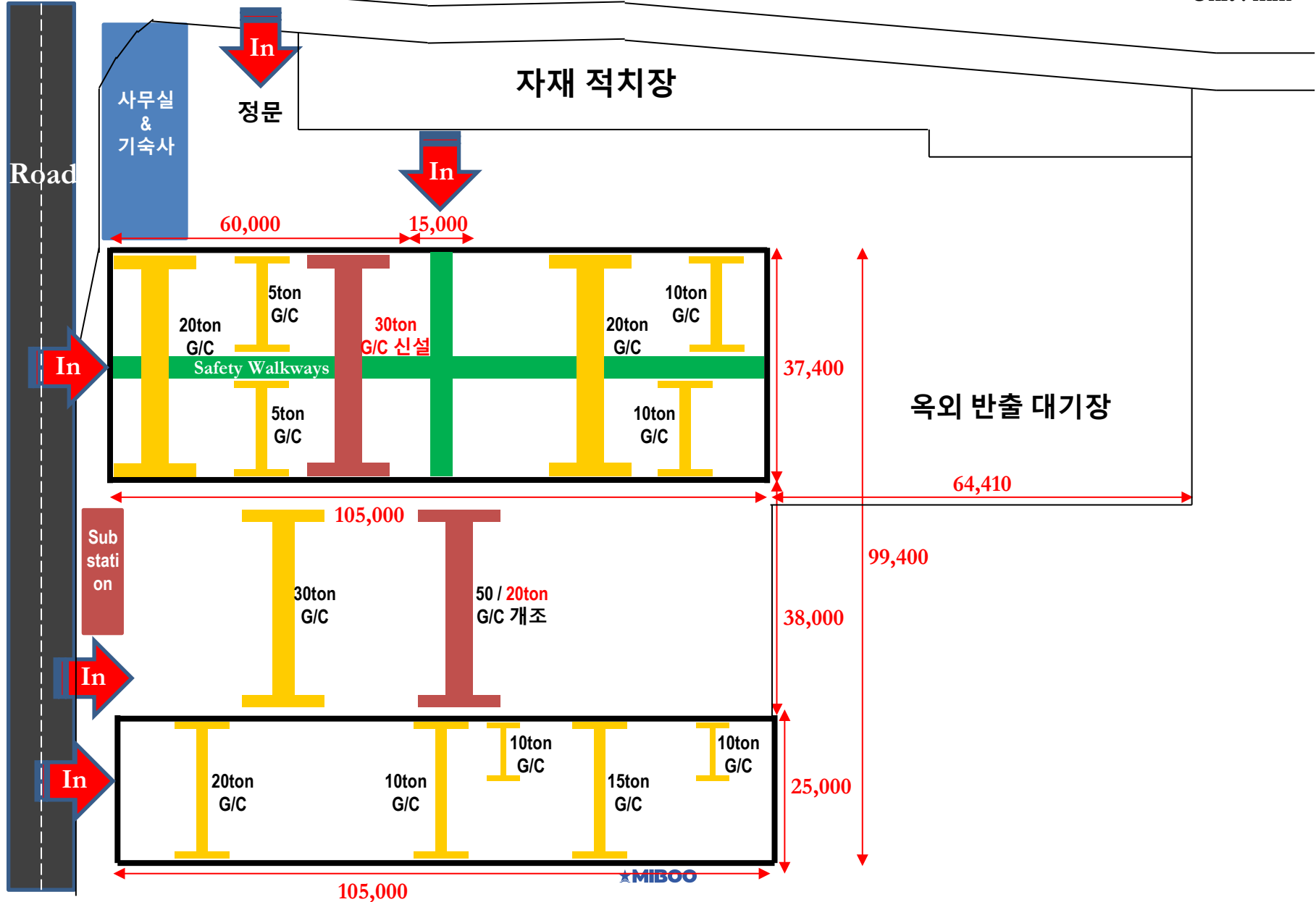


2공장 주요 설비 및 크레인

순번	설비명	사양		수량	단위	위치	비고
1	에어 컴프레서	380V / 200	Hp	2	EA	야드	
2	에어 컴프레서	380V / 100	Hp	2	EA		
3	CO2 용접기	600	A	148	EA		
4	자동용접기			7	EA		
5	가우징기	1500	A	5	EA		
6	SAW 자동용접기	1500/2000	A	3	EA		
7	Transporter	200	Ton	1	EA		
8	Semi- Gantry Crane	5	Ton	2	EA		
9	Semi- Gantry Crane	10	Ton	4	EA		
10	Overhead Crane	10	Ton	1	EA		
11	Overhead Crane	15	Ton	1	EA		
12	Overhead Crane	20	Ton	4	EA		
13	Overhead Crane	30	Ton	1	EA		
14	Overhead Crane	30	Ton	1	EA		30톤 크레인 신규 제작
15	Gantry Crane	50+20	Ton	1	EA		기존5톤▶20톤 개조공사

Area at No.2 Factory

Unit : mm



03. 주요제작품

미부인텍(주) Track Record

미부중공업(주) Track Record

미부인텍(주) 제작품 사진

미부중공업(주) 제작품 사진

미부중공업(주) 수리선 사진



미부인텍(주) Track Record-1

YEAR	SHIP YARD	HULL NO	OWNER	VESSEL TYPE	SUPPLY ITEM	REMARK
2001	INP	1120	I.O.S	SUP-VESSEL	PIPING UNIT	INP : 2 Ships
		1121	S.P.O			
2002	HMD	0036/37	AHRENKIEL SHIPMNGT GMBH	CNTR	E/R PACKAGE UNIT	HMD : 5 Ships INP : 2 Ships TOTAL : 7 Ships
		0107/08	PAN OCEAN SHIPPING CO LTD	B/C	E/R PACKAGE UNIT	
		0120	ANDROMEDA #5	CHEM,TANK	E/R PACKAGE UNIT	
	INP	1122/23	S.P.O	SUP-VESSEL	PIPING UNIT	
2003	HMD	0116/17	AHRENKIEL SHIPMNGT GMBH	CNTR	E/R PACKAGE UNIT	HMD : 11 Ships SHI : 6 Ships TOTAL : 17 Ships
		0133/34	SK #1	CHEM,TANK	E/R PACKAGE UNIT	
		0139/40/41 0142/43/44	COLUMBIA #1	CHEM,TANK	E/R PACKAGE UNIT	
		0281	DOCKWISE	57K BLUE MARIN	E/R PACKAGE UNIT	
	SHI	1404	GESCO	105K COT	T/TOP MODULE UNIT	
		1434/35	METROSTAR	160K COT	T/TOP MODULE UNIT	
		1440	RASGAS	145000 M ³ LNG	PASSAGE WAY UNIT ASS'Y	
		1443	SEALUCK	115K COT	UNDER DECK UNIT	
		1465	TEEKAY	115K COT	T/TOP MODULE UNIT	

미부인텍(주) Track Record-2

YEAR	SHIP YARD	HULL NO	OWNER	VESSEL TYPE	SUPPLY ITEM	REMARK
2004	HMD	0250/52	MONTANARI #1	35K C/T	E/R PACKAGE UNIT	HMD : 7 Ships HHI : 1 Ship SHI : 12 Ships TOTAL : 20 Ships
		0256/57	COLUMBIA #1	35K C/T	E/R PACKAGE UNIT	
		0317	INTERORIENT #1	37K C/T	E/R PACKAGE UNIT	
		0327	ANDROMEDA #1	35K C/T	E/R PACKAGE UNIT	
		0367	OMI	37K C/T	E/R PACKAGE UNIT	
	HHI	EA0065	BANKS	HIMSEN ENGIN	CENTRAL COOLER UNIT	
					D.O COOLER UNIT	
					H.F.O TREATMENT UNIT	
					LT/HT C.W EXPANSION TANK UNIT	
	SHI	1441/42	RASGAS	145000 M ³ LNG	PASSAGE WAY UNIT ASS'Y	
		1444	SEALUCK	115K COT	UNDER DECK UNIT	
		1466	TEEKAY	115K COT	T/TOP MODULE UNIT	
		1493/94/95 1496/97/98	SEASPAN	4250 TEU	T/TOP MODULE UNIT	
		1502/03	MISC	145000 M ³ LNG	PASSAGE WAY UNIT ASS'Y	
		1519/20	TEEKAY	115K COT	T/TOP MODULE UNIT	
		1535	WOODSIDE	FPSO	T/TOP MODULE UNIT	
		1536	SEASPAN	147000 M ³ LNG	PASSAGE WAY UNIT ASS'Y	

미부인텍(주) Track Record-3

YEAR	SHIP YARD	HULL NO	OWNER	VESSEL TYPE	SUPPLY ITEM	REMARK
2005	HMD	0311/12	BARCLAY	37K C/T	E/R PACKAGE UNIT	
		0318/19	INTERORIENT #1	37K C/T	E/R PACKAGE UNIT	
		0345	TSAKOS	37K C/T	E/R PACKAGE UNIT	
		0349	INTERORIENT	37K C/T	E/R PACKAGE UNIT	
		0364/65/66	INTERORIENT	37K C/T	E/R PACKAGE UNIT	
		0368	OMI	37K C/T	E/R PACKAGE UNIT	
		0375/76/77	VROON	37K C/T	E/R PACKAGE UNIT	
		0392	OMI	37K C/T	E/R PACKAGE UNIT	
		0404/05	E.R.SCHIFFAHRRT	2824 TEU CONT	E/R PACKAGE UNIT	
		0420/21/22	E.R.SCHIFFAHRRT	2824 TEU CONT	E/R PACKAGE UNIT	
		Z101/02/03/04	VROON	37K C/T	E/R PACKAGE UNIT	
		Z201/02/03	E.R.SCHIFFAHRRT	2824 TEU CONT	E/R PACKAGE UNIT	
	HHI	1615/16	DRY BULK	COT 105K	PACKAGE UNIT	
		1655	DEOMAR	CNTR 4100	PACKAGE UNIT	
		1690	STELLAR	CNTR 4900	PACKAGE UNIT	
		1757	FIONA	35K LPG	PACKAGE UNIT	
	DSME	5192	CENTROFIN	COT 159K	MAIN DECK UNIT	
		5252/53	CHANDRIS	COT 105K	MAIN DECK UNIT	
		5254	CHANDRIS	CHEM, TANK	MAIN DECK UNIT	
		5259	CHANDRIS	COT 105K	MAIN DECK UNIT	

미부인텍(주) Track Record-4

YEAR	SHIP YARD	HULL NO	OWNER	VESSEL TYPE	SUPPLY ITEM	REMARK
2005	DSME	5262	CHANDRIS	CHEM, TANK	MAIN DECK UNIT	HMD : 26 Ships HHI : 5 Ships DSME : 11 Ships SHI : 17 Ships TOTAL : 59 Ships
		5263	KRISTEN	VLCC 320K	MAIN DECK UNIT	
		5276	CHANDRIS	CHEM, TANK	MAIN DECK UNIT	
		5286	LUNDOVIST	COT 115K	MAIN DECK UNIT	
		5280/81	SONAP	PC 69K	MAIN DECK UNIT	
	SHI	1496	EMM	VLCC 310K	T/TOP MODULE UNIT	
		1499/1500	SEASPAN	4250 TEU	T/TOP MODULE UNIT	
		1505	EMM	VLCC 310K	T/TOP MODULE UNIT	
		1539/40/41 1542/43	SEASPAN	CONT 4250	T/TOP MODULE UNIT	
		1562	A.P.MOLLER	LNG 150K	PASSAGE WAY UNIT ASS'Y	
		1573	OMAN	147000 M ³ LNG	PASSAGE WAY UNIT ASS'Y	
		1581	SEASPAN	COT 158K	T/TOP MODULE UNIT	
		1583	CHEVRON	COT 105K	MODULE UNIT	
		1589/90	MISC	LNG 145K	PASSAGE WAY UNIT ASS'Y	
		1594	GEDEN	LNG 145K	MODULE UNIT	
		1600	CERES	COT 158K	T/TOP MODULE UNIT	

미부인텍(주) Track Record-5

YEAR	SHIP YARD	HULL NO	OWNER	VESSEL TYPE	SUPPLY ITEM	REMARK
2005	HMD	0322/23/24/25	DUNYA	47K	E/R PACKAGE UNIT	
		0346/47/48	TSAKOS	37K	E/R PACKAGE UNIT	
		0350	INTERORIENT	37K	E/R PACKAGE UNIT	
		0354	DALESIO	35K	E/R PACKAGE UNIT	
		0358/59	INTERORIENT	37K	E/R PACKAGE UNIT	
		0362/63	AHRENKIEL	2824TEU	E/R PACKAGE UNIT	
		0387/88/89	TSAKOS	2824TEU	E/R PACKAGE UNIT	
		0406	TSAKOS	37K	E/R PACKAGE UNIT	
		0409	E.R.SCHIFFFAHRT	2824TEU	E/R PACKAGE UNIT	
		0423/24/25/26/ 27	E.R.SCHIFFFAHRT	2824 TEU CONT	E/R PACKAGE UNIT	
		0440/41	INTERORIENT	37K	E/R PACKAGE UNIT	
		0471	GEM	47K	E/R PACKAGE UNIT	
		0480	GESCO	37K	E/R PACKAGE UNIT	
		2001/02	VROON	37K	E/R PACKAGE UNIT	
	HHI	1673/74/75/76	YML	CNTR 8200	PACKAGE UNIT	
		1691/92/93	STELLAR	CNTR 4900	PACKAGE UNIT	
		1696/97/98	HANJIN	CNTR 6500	PACKAGE UNIT	
		1791/92	QG2	216K LNG	PACKAGE UNIT	
		1800	ORIX	35K LPG	PACKAGE UNIT	

미부인텍(주) Track Record-6

YEAR	SHIP YARD	HULL NO	OWNER	VESSEL TYPE	SUPPLY ITEM	REMARK
2006	DSME	5282/83	TOS	COT 115K	MAIN DECK UNIT	HMD : 29 Ships HHI : 23 Ships DSME : 5 Ships SHI : 20 Ships TOTAL : 77 Ships
		5288	W/WIDE	VLCC 300K	MAIN DECK UNIT	
		5289/90	KOTC	PC 69K	MAIN DECK UNIT	
	SHI	1544	SEASPAN	CONT 4250	T/TOP MODULE UNIT	
		1550/51/52	SEASPAN	CONT 4250	T/TOP MODULE UNIT	
		1575/76	PREMUDA	COT 113K	T/TOP MODULE UNIT	
		1579	MODEC	FPSO 758K	MODULE UNIT	
		1580	CERES	COT 158K	T/TOP MODULE UNIT	
		1582	CERES	COT 158K	T/TOP MODULE UNIT	
		1584	CHEVRON	COT 105K	MODULE UNIT	
		1591	MISC	LNG 145K	PASSAGE WAY UNIT ASS'Y	
		1592/93	GEDEN	COT 113K	MODULE UNIT	
		1601/02/03	CERES	COT 158K	T/TOP MODULE UNIT	
		1605/06	OSG	LNG 216K	PASSAGE WAY UNIT ASS'Y	
		1629/30	GEDEN	COT 115K	MODULE UNIT	
2007	HMD	0407	TSAKOS	37K	E/R PACKAGE UNIT	
		0481/82	ORIX	2824TEU	E/R PACKAGE UNIT	
		0483	CIDO	2824TEU	E/R PACKAGE UNIT	

미부인텍(주) Track Record-7

YEAR	SHIP YARD	HULL NO	OWNER	VESSEL TYPE	SUPPLY ITEM	REMARK
2007	HHI	1717	NYK	CNTR 8100	PACKAGE UNIT	HMD : 4 Ships HHI : 8 Ships SHI : 2 Ships SPP : 7 Ships TOTAL : 21 Ships
		1737/38	PRIMORSK	COT	PACKAGE UNIT	
		1749	FIDELITY	COT	PACKAGE UNIT	
		1750	LEADERSHIP	COT	PACKAGE UNIT	
		1807/08/09	HANJIN	CONT 6500	PACKAGE UNIT	
	SHI	1635/36	GEDEN	COT 115K	MODULE UNIT	
	SPP	H1009/10/11/12	MONTANARI	50K C.T	MAIN DECK UNIT	
		S1011/13	HELLENICISTAR	50K C.T	MAIN DECK UNIT	
		S1016	AVIN	50K C.T	MAIN DECK UNIT	
2008	HMD	4029/30/31/34/35	CIDO	2824TEU	E/R PACKAGE UNIT	HMD : 5 Ships SPP : 13 Ships TOTAL : 18 Ships
	SPP	S1017/18/19	AVIN	50K C.T	MAIN DECK UNIT	
		S1004/05	POLYAR	50K P.C	MAIN DECK UNIT	
		S1014/15	TOP TANKER	50K C.T	MAIN DECK UNIT	
		S1025/26/1031/32	TOP TANKER	50K C.T	MAIN DECK UNIT	
		S1027/1033	TOP TANKER	50K C.T	MAIN DECK UNIT	
2009	SPP	S1034/35	HELLENICISTAR	50K C.T	MAIN DECK UNIT	SPP : 7 Ships
		S1028/30	HELLENICISTAR	50K C.T	MAIN DECK UNIT	
		S5037	S.STAR	50K P.C	MAIN DECK UNIT	
		S5041/43	DUNYA	113K P.C	MAIN DECK UNIT	
2010	SPP	S5050	BYZANTINE	50K P.C	MAIN DECK UNIT	SPP : 2 Ships
		S5080	OSG	50K P.C	MAIN DECK UNIT	

미부중공업(주) Track Record-1

No	Year of Del.	Hull No	Sort	Type	Client	Project-Owner	Remarks
1	2022	2801	Upper Deck Block & Unit	50K Meth. Tk	HMD	TOHMEI Shipping	Delivery
2	2022	2864	Upper Deck Block & Unit	50K Chemical Tk	HMD	H4 Shipping	Delivery
3	2022	2802	Upper Deck Block & Unit	50K Meth. Tk	HMD	KSS	Delivery
4	2022	8328	Upper Deck Block & Unit	40K LPG	HMD	EVALEND	Delivery
5	2022	2867	Upper Deck Block & Unit	50K Chemical Tk	HMD	PROMISSUM	Delivery
6	2022	2868	Upper Deck Block & Unit	50K Chemical Tk	HMD	PROMISSUM	Delivery
7	2022	8346	Upper Deck Block & Unit	40K LPG	HMD	UNION MARITIME	Delivery
8	2022	2869	Upper Deck Block & Unit	50K Chemical Tk	HMD	PROMISSUM	Delivery
9	2022	2803	Upper Deck Block & Unit	50K Meth. Tk	HMD	MOL	Delivery
10	2022	8347	Upper Deck Block & Unit	40K LPG	HMD	BRAVE MARITIME	Delivery

미부중공업(주) Track Record-2

No	Year of Del.	Hull No	Sort	Type	Client	Project-Owner	Remarks
11	2022	8322	Upper Deck Block & Unit	40K LPG	HMD	TRAFIGURA	[SEJIN] Delivery
12	2022	2870	Upper Deck Block & Unit	50K Chemical Tk	HMD	PROMISSUM	[SEJIN] Delivery
13	2022	8323	Upper Deck Block & Unit	40K LPG	HMD	TRAFIGURA	Delivery
14	2022	8329	Upper Deck Block & Unit	40K LPG	HMD	EVALEND	Delivery
15	2022	4194	Hopper Block	2,800TEU CON'T	HMD	TSAKOS	Delivery
16	2022	4182	RAISED QUARTER DECK Block	1,800TEU CON'T	HMD	GREAT WALL	Delivery
17	2023	8356	Upper Deck Block & Unit	40K LPG	HMD	BENELUX	Delivery
18	2022	8370	CMR Block & Unit	12.5K LNG	HMD	SCALE GAS	Delivery
19	2023	8348	Upper Deck Block & Unit	40K LPG	HMD	BYZANTINE	[SEJIN] Delivery
20	2023	8330	Upper Deck Block & Unit	40K LPG	HMD	EVALEND	Delivery

미부중공업(주) Track Record-3

No	Year of Del.	Hull No	Sort	Type	Client	Project-Owner	Remarks
21	2023	8366	Upper Deck Block & Unit	40K LPG	HMD	PASCOGAS	Delivery
22	2023	8350	Upper Deck Block & Unit	40K LPG	HMD	GEOGAS	Delivery
23	2023	8359	Upper Deck Block & Unit	40K LPG	HMD	BRAVE MARITIME	Delivery
24	2023	8357	Upper Deck Block & Unit	40K LPG	HMD	BENELUX	Delivery
25	2023	8354	Upper Deck Block & Unit	30K LNG	HMD	ANTHONY VEDER	Delivery
26	2023	8351	Upper Deck Block & Unit Cargo Tank	40K LPG	HMD	GEOGAS	Delivery
27	2023	8368	Upper Deck Block & Unit	23K LPG	HMD	TEMILE	Delivery
28	2023	8331	Upper Deck Block & Unit	40K LPG	HMD	EVALEND	Delivery
29	2023	4215	CMR Block & Unit	2,000TEU CON'T	HMD	CMACGM	Delivery
30	2023	8367	Upper Deck Block & Unit	40K LPG	HMD	PASCOGAS	Delivery

미부중공업(주) Track Record-4

No	Year of Del.	Hull No	Sort	Type	Client	Project-Owner	Remarks
31	2023	4216	CMR Block & Unit	2,000TEU CON'T	HMD	CMACGM	Delivery
32	2023	8369	Upper Deck Block & Unit	40K LPG	HMD	BRAVE MARITIME	Delivery
33	2023	8372	Upper Deck Block & Unit	40K LPG	HMD	BRAVE MARITIME	Delivery
34	2023	8376	Upper Deck Block & Unit	23K LPG	HMD	IINO KAIUN	Delivery
35	2023	8375	Upper Deck Block & Unit	40K LPG	HMD	BRAVE MARITIME	Delivery
36	2023	4217	CMR Block & Unit	2,000TEU CON'T	HMD	CMA CGM	Delivery
37	2023	4218	CMR Block & Unit Bilge Block	2,000TEU CON'T	HMD	CMA CGM	Delivery
38	2023	4239	Bilge Block	1,000TEU CON'T	HMD	CEDAR	Delivery
39	2023	4258	Bilge Block	1,800TEU CON'T	HMD	PEN OCEAN	Delivery
40	2023	4242	Bilge Block	2,800TEU CON'T	HMD	CCC	Delivery

미부중공업(주) Track Record-5

No	Year of Del.	Hull No	Sort	Type	Client	Project-Owner	Remarks
41	2023	8384	Upper Deck Block & Unit	22K LPG	HMD	KYOEI TANKER	Delivery
42	2023	4233	Bilge Block	2,800TEU CON'T	HMD	TSAKOS	Delivery
43	2023	4219	CMR Block & Unit	2,000TEU CON'T	HMD	CMACGM	Delivery
44	2023	4237	T-BHD	2,800TEU CON'T	HMD	EUROSEAS	Delivery
45	2023	4225	Bilge Block & T-BHD	2,800TEU CON'T	HMD	GARNET II	Delivery
46	2023	4234	T-BHD	2,800TEU CON'T	HMD	TSAKOS	Delivery
47	2023	4220	CMR Block & Unit	2,000TEU CON'T	HMD	CMACGM	On-going
48	2023	4221	CMR Block & Unit	2,000TEU CON'T	HMD	CMACGM	On-going
49	2023	4222	CMR Block & Unit	2,000TEU CON'T	HMD	CMACGM	On-going
50	2023	4223	CMR Block & Unit	2,000TEU CON'T	HMD	CMACGM	On-going

미부중공업(주) Track Record-6

No	Year of Del.	Hull No	Sort	Type	Client	Project-Owner	Remarks
51	2024	8395	Upper Deck Block & Unit	40K LPG	HMD	PASCOGAS	Delivery
52	2024	4263	T-BHD	1,800TEU CON'T	HMD	HMM	Delivery
53	2024	4264	T-BHD	1,800TEU CON'T	HMD	HMM	Delivery
54	2024	4226	Bilge Block & T-BHD	2,800TEU CON'T	HMD	GARNET II	Delivery
55	2024	2879	Upper Deck Block & Unit	50K PC	HMD	TIME SHIPPING	Delivery
56	2024	4235	Bilge Block & T-BHD	2,800TEU CON'T	HMD	TSAKOS	Delivery
57	2024	4224	CMR Block & Unit	2,000TEU CON'T	HMD	CMACGM	Delivery
58	2024	4227	Bilge Block & T-BHD	2,800TEU CON'T	HMD	GARNET II	Delivery
59	2024	4228	Bilge Block & T-BHD	2,800TEU CON'T	HMD	GARNET II	Delivery
60	2024	8387	Upper Deck Block & Unit	45K LPG	HMD	EXMAR	Delivery

미부중공업(주) Track Record-7

No	Year of Del.	Hull No	Sort	Type	Client	Project-Owner	Remarks
61	2024	4251	Bilge Block	2,800TEU CON'T	HMD	ERUOSEAS	Delivery
62	2024	4252	Bilge Block	2,800TEU CON'T	HMD	ERUOSEAS	Delivery
63	2024	2881	Upper Deck Block & Unit	50K PC	HMD	TIME SHIPPING	Delivery
64	2024	2883	Upper Deck Block & Unit	50K PC	HMD	Mitsui	Delivery
65	2024	8397	Upper Deck Block & Unit	40K LPG	HMD	PASCOGAS	Delivery
66	2024	2887	Upper Deck Block & Unit	50K PC	HMD	Mitsui	Delivery
67	2024	2884	Upper Deck Block & Unit	50K PC	HMD	Mitsui	Delivery
68	2024	2901	Upper Deck Block & Unit	37K PC	HMD	ALGOMA	Delivery
69	2024	2882	Upper Deck Block & Unit	50K PC	HMD	TIME SHIPPING	Delivery
70	2024	8388	Upper Deck Block & Unit	45K LPG	HMD	EXMAR	On-going

미부중공업(주) Track Record-8

No	Year of Del.	Hull No	Sort	Type	Client	Project-Owner	Remarks
71	2024	2896	Upper Deck Block & Unit	50K PC	HMD	SIMATECH	On-going
72	2025	2886	Upper Deck Block & Unit	50K PC	HMD	mitsui	On-going
73	2025	2889	Upper Deck Block & Unit	50K PC	HMD	mitsui	On-going
74	2025	2906	Upper Deck Block & Unit	50K PC	HMD	mitsui	On-going
75	2025	2897	Upper Deck Block & Unit	50K PC	HMD	SIMATECH	On-going
76	2025	2892	Upper Deck Block & Unit	50K PC	HMD	mitsui	On-going
77	2025	2907	Upper Deck Block & Unit	50K PC	HMD	mitsui	Scheduled
78	2025	8406	Upper Deck Block & Unit	40K LPG	HMD	SAHARA	Scheduled
79	2025	2898	Upper Deck Block & Unit	50K PC	HMD	SIMATECH	Scheduled
80	2025	2908	Upper Deck Block & Unit	50K PC	HMD	mitsui	Scheduled

미부중공업(주) Track Record-9

No	Year of Del.	Hull No	Sort	Type	Client	Project-Owner	Remarks
81	2025	2912	Upper Deck Block & Unit	50K PC	HMD	PT PIS	Delivery
82	2025	8400	Upper Deck Block & Unit	45K LPG	HMD	FURUS	Delivery
83	2025	8401	Upper Deck Block & Unit	45K LPG	HMD	FURUS	Delivery
84	2025	2931	Upper Deck Block & Unit	50K PC	HMD	SIMATECH	On-going
85	2025	2927	Upper Deck Block & Unit	50K PC	HMD	PAN OCEAN	On-going
86	2025	8389	Upper Deck Block & Unit	45K LPG	HMD	EXMAR	On-going
87	2025	8402	Upper Deck Block & Unit	45K LPG	HMD	FURUS	On-going
88	2025	2933	Upper Deck Block & Unit	50K PC	HMD	HMM	Scheduled
89	2025	8407	Upper Deck Block & Unit	40K DF LPG	HMD	SAHARA	On-going
90	2025	2918	Upper Deck Block & Unit	50K PC	HMD	PT PIS	Scheduled

미부중공업(주) Track Record-10

No	Year of Del.	Hull No	Sort	Type	Client	Project-Owner	Remarks
91	2025	2932	Upper Deck Block & Unit	50K PC	HMD	SIMATECH	Scheduled
92	2025	8420	Upper Deck Block & Unit	23K LPG	HMD	PT PIS	Scheduled
93	2025	8403	Upper Deck Block & Unit	45K LPG	HMD	FURUS	Scheduled
94	2025	2937	Upper Deck Block & Unit	37K PC	HMD	EVALEND	Scheduled
95	2025	2929	Upper Deck Block & Unit	50K PC	HMD	PAN OCEAN	Scheduled
Delivery(2022.01 ~ 2024.12)							2025
	PC		Ships		18	14	
	LPG		Ships		26	8	
	LNG		Ships		2	0	
	CON'T		Ships		27	0	
TOTAL(Ships)					73	22	

미부중공업(주) 수리선 Track Record

No	Year	Project	Ship type	LOA	Type	Duration	Remarks
1	2022.2	MV C. Champion	VLCC	336	Fix	2/17 – 2/20	
2	2022.3	MV Merchant Mariner	Cargo	292	BWTS	3/10 – 3/27	
3	2022.6	MV Sunshine Bandama	Container	172	Fix	6/17 – 6/29	
4	2022.6	Hyundai Ulsan	Cargo	193	SOx Scrubber	6/30 – 7/14	
5	2022.7	Dongbang 6	Cargo	153	BWTS	7/21 – 8/8	
6	2022.10	Melody Hope	VLCC	320	SOx Scrubber	10/1 – 10/30	
7	2022.11	Morning Hope	VLCC	320	SOx Scrubber	10/15 – 11/15	
8	2022.12	MV Sen Treasure	Cargo	170	BWTS	11/22 ~ 12/10	
9	2023.05	DELAWARE STAR	COT	240	SOx Scrubber	5/10 ~ 5/19	
10	2023.08	HIRADO	COT	333	SOx Scrubber	8/11 ~ 8/24	
11	2024.02	MV Commander	COT	333	Ladder	2/13 ~ 2/27	
12	2024.06	KASSAB	COT	333	SOx Scrubber	6/20 ~ 7/05	
13	2024.08	MV IRINI	COT	333	No.2 Generator Crankshaft & Engine Block	8/21 ~ 8/29	
14	2024.11	MEGA PASSION	Barge	203	PROPORTIONAL MOTOR	11/29 ~ 12/11	
15	2025.02	PROSO	Bulk Carrier	229	SOx Scrubber	2/3 ~ 2/16	
16	2025.03	DANSHIP BULKER	Bulk Carrier	170	Screw	3/6~3/19	

미부인텍(주) 제품사진-1

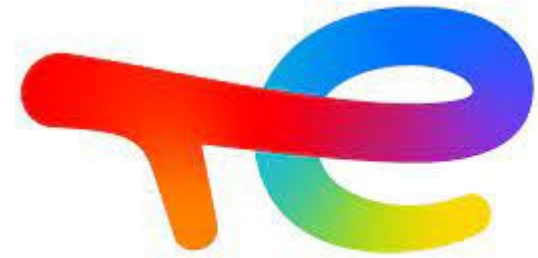


미부인텍(주) 제품사진-2





DSME

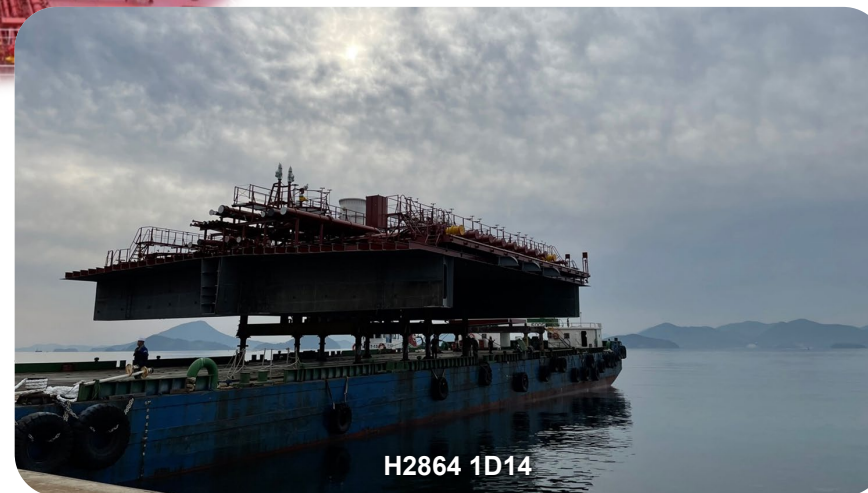
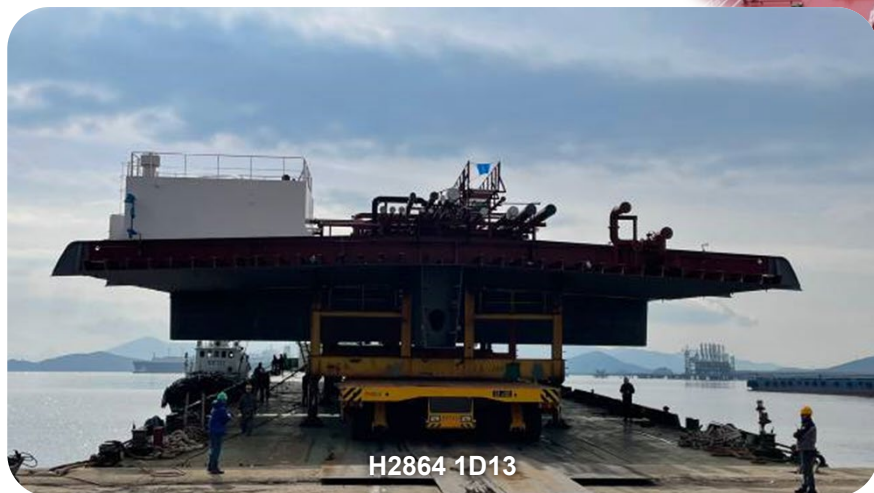


TotalEnergies



03. 주요제품

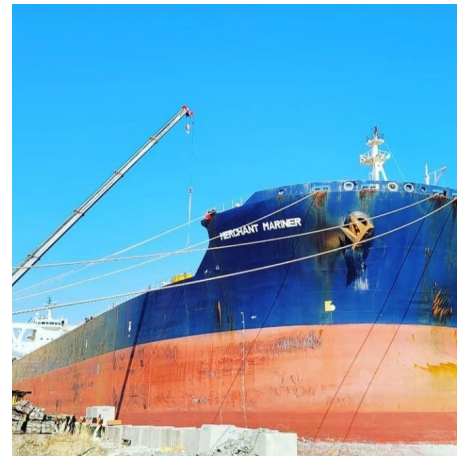
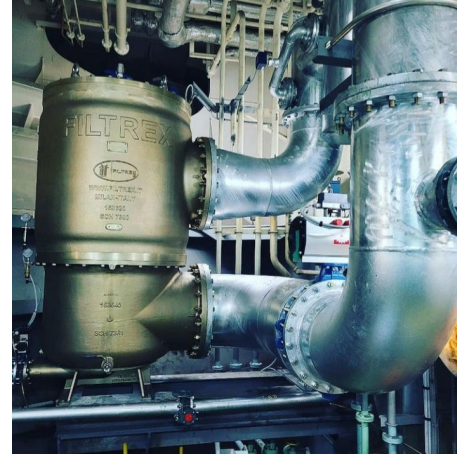
미부중공업(주) 제품사진-1





03. 주요제작품

미부중공업(주) 수리선사진(BWTS & Scrubber)



04. 품질환경 안전보건

품질조직도

품질환경안전보건 방침

ISO 인증서

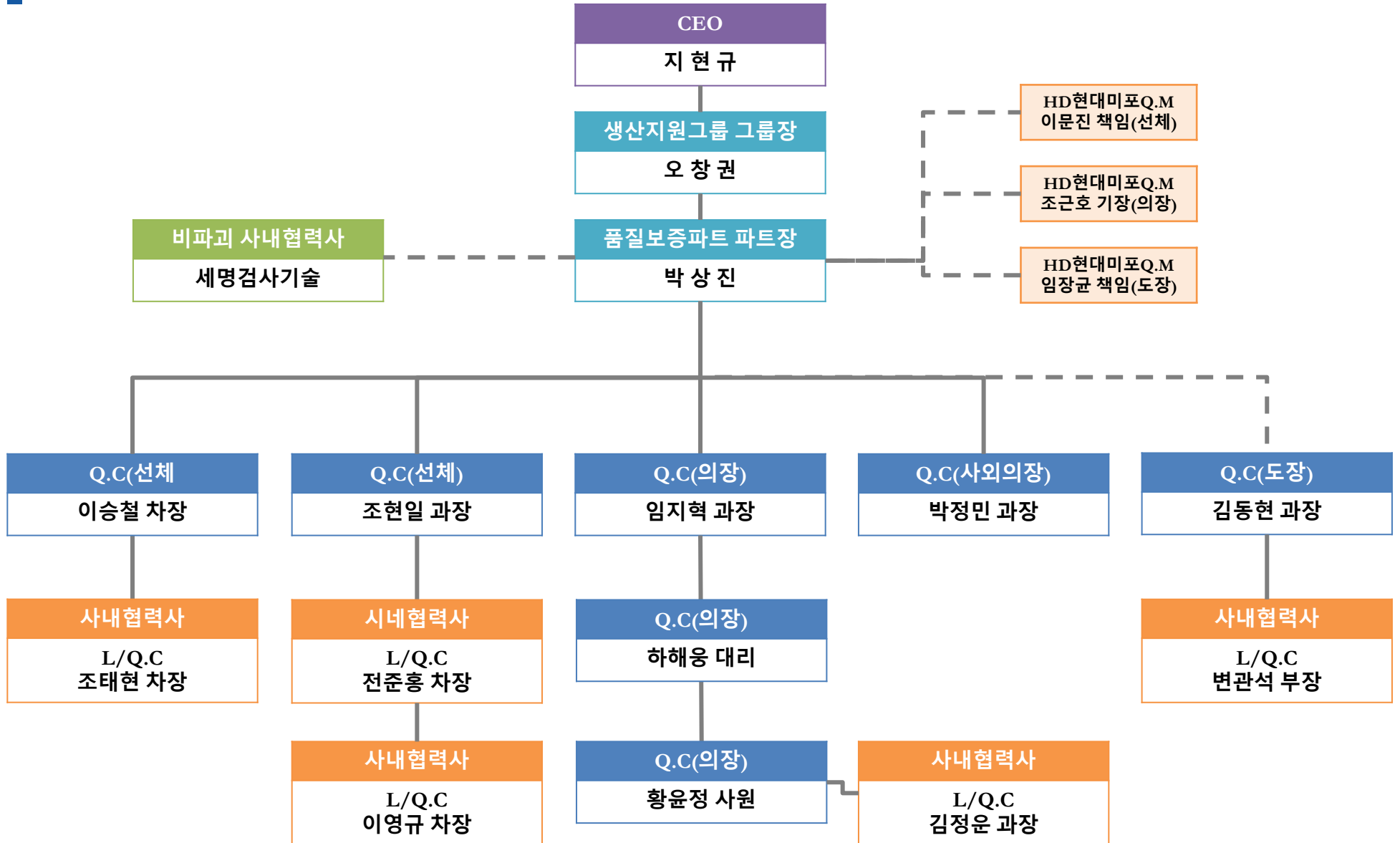
선급 공장 승인서

WPS보유현황

안전활동



품질조직도



품질환경안전보건 방침



Quality Environment Safety and Health Policy

At Miboo Heavy Industries Co., Ltd., we are committed to realizing a sustainable future through Quality, Environment, Safety, and Health (QESH) management based on ESG (Environmental, Social, and Governance) principles.

1. Objectives and Principles

- 1) **Environment :**
 - Minimize the environmental impact of business activities and promote eco-friendly management through resource recycling and energy efficiency.
 - Pursue carbon emission reduction and the adoption of sustainable processes.
- 2) **Social :**
 - Create a safe and healthy working environment to enhance employee well-being and provide equal opportunities for all employees to grow.
 - Fulfill our social responsibilities by collaborating with local communities and contributing to sustainable development.
- 3) **Governance :**
 - Practice transparent management and strictly adhere to laws and regulations to establish an ethical corporate culture.
 - Build trust through transparent communication that meets the expectations and needs of stakeholders.

2. Responsibilities and Compliance

- 1) **Organizational Accountability:** All members of the organization are responsible for understanding and actively complying with policies and procedures related to Quality, Safety, Health, and Environment.
- 2) **Legal Compliance and Standards:** Adhere to domestic and international laws and regulations while applying standards that align with ESG management principles.

3. Sustainable Improvement

- 1) **Environmental Sustainability:** Continuously introduce eco-friendly processes and utilize energy-saving technologies to reduce environmental impact.
- 2) **Creating Social Value:** Enhance employee welfare, strengthen safety measures, and collaborate with local communities to create social value.
- 3) **Sustainable Business Innovation:** Continuously improve the quality and level of services while fostering long-term business growth based on trust with stakeholders.

4. Communication and Engagement

- 1) **Stakeholder Engagement:** Actively listen to the expectations and needs of stakeholders and reflect them in business activities.
- 2) **Education and Awareness:** Provide systematic education and training to ensure all employees understand and implement the importance of ESG and QESH principles.

This policy serves as a foundational guide for Miboo Heavy Industries' sustainable ESG management culture, empowering all members to take responsibility and put it into practice.

Miboo Heavy Industries Co., Ltd.
CEO Henry Ji
January 2, 2025



품질환경안전보건 방침

미부중공업(주)는 ESG(환경, 사회, 지배구조) 경영을 기반으로 품질(Quality), 환경(Environment), 안전(Safety), 보건(Health) 관리(QESH)를 통해 지속 가능한 미래를 실현하고자 합니다.

1. 목표 및 원칙

- 1) **환경(Environment) :**
 - 사업 활동에서 발생하는 환경 영향을 최소화하고, 자원 재활용과 에너지 절감을 통해 친환경 경영을 실현합니다.
 - 탄소 배출량 감축과 지속 가능한 공정 도입을 추진합니다.
- 2) **사회(Social) :**
 - 안전하고 건강한 작업 환경을 조성하여 직원 복지를 증진하고, 모든 직원이 평등하게 성장할 수 있는 기회를 제공합니다.
 - 지역사회와 협력하여 사회적 책임을 다하고 지속 가능한 발전에 기여합니다.
- 3) **지배구조(Governance) :**
 - 투명한 경영을 실천하며, 법규와 규정을 철저히 준수하여 윤리적 기업 문화를 정착시킵니다.
 - 이해관계자의 기대와 요구에 부응하는 투명한 의사소통을 통해 신뢰를 구축합니다.

2. 책임 및 준수

- 1) **조직 전반의 준수 :** 모든 구성원이 품질, 안전, 보건 및 환경 관련 정책 과 절차를 이해하고 준수합니다.
- 2) **법규 준수 및 기준 적용 :** 국내외 관련 법규와 규정을 준수하며, ESG 경영 원칙에 부합하는 기준을 적용합니다.

3. 지속적인 개선

- 1) **환경 지속 가능성 :** 환경 영향을 줄이기 위해 친환경 공정을 지속적으로 도입하고, 에너지 절감 기술을 활용합니다.
- 2) **사회적 가치 창출 :** 직원 복지 향상, 안전 강화, 그리고 지역사회와의 협력을 통해 사회적 가치를 창출합니다.
- 3) **지속적 경영 혁신 :** 품질과 서비스 수준을 지속적으로 개선하며, 이해관계자와의 신뢰를 바탕으로 장기적인 기업 성장을 추구합니다.

4. 소통과 참여

- 1) **이해관계자 참여 :** 이해관계자들의 기대와 요구를 적극적으로 수렴하고, 이를 경영 활동에 반영합니다.
- 2) **교육과 인식 제고 :** 전 직원이 ESG와 QESH의 중요성을 인식하고 이를 실천할 수 있도록 체계적인 교육과 훈련을 제공합니다.

이 방침은 미부중공업(주)의 지속 가능한 ESG 경영 문화의 기본 지침으로 작용하며, 모든 구성원이 책임감을 가지고 실천 할 수 있도록 지원합니다.

미부중공업(주)
CEO 지 현 규
2025. 01. 02

ISO CERTIFICATE – 9001 : 2015 / 14001 : 2015 / 45001 : 2018

ISO 9001

ISO 14001

ISO 45001



CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT
THE QUALITY MANAGEMENT SYSTEM OF

MIBOO HEAVY INDUSTRIES Co., Ltd.
613-81-49318

Head Office: 3F, 82 Amnamgongwon-ro, Seo-gu, Busan, Republic of Korea
Tongyeong AhnJeong Factory: 946 Gongdan-ro, Gwangdo-myeon, Tongyeong-si, Gyeongsangnam-do, Republic of Korea
Tongyeong AhnJeong No.2 Factory: 850 Gongdan-ro, Gwangdo-myeon, Tongyeong-si, Gyeongsangnam-do, Republic of Korea

Has been assessed and registered as complying with the requirements of the International Standard shown above for the following Goods and Services. Further clarifications regarding the scope of this certificate and the applicability of the requirements of:

ISO 9001:2015
may be obtained by consulting the certificate issuer

Manufacture of Block & P.E Including Outfitting of Pipes & Units and Painting Works for Shipbuilding



The Status and Validity of this Certificate may be verified in real time by scanning the adjacent QR Code.
This certificate is valid until the Expiry Date shown on the condition that audits are conducted each year and paid for as per the Certification Agreement. Should this condition not be met, cancellation procedures will be initiated, and the cancellation status will be revealed when the QR Code is scanned. This Certificate remains the property of the Certificate issuer and must be returned upon request. It must not be altered in any way. Intentional misuse of this certificate will result in cancellation without prior notification.



CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT
THE ENVIRONMENTAL MANAGEMENT SYSTEM OF

MIBOO HEAVY INDUSTRIES Co., Ltd.
613-81-49318

Head Office: 3F, 82 Amnamgongwon-ro, Seo-gu, Busan, Republic of Korea
Tongyeong AhnJeong Factory: 946 Gongdan-ro, Gwangdo-myeon, Tongyeong-si, Gyeongsangnam-do, Republic of Korea
Tongyeong AhnJeong No.2 Factory: 850 Gongdan-ro, Gwangdo-myeon, Tongyeong-si, Gyeongsangnam-do, Republic of Korea

Has been assessed and registered as complying with the requirements of the International Standard shown above for the following Goods and Services. Further clarifications regarding the scope of this certificate and the applicability of the requirements of:

ISO 14001:2015
may be obtained by consulting the certificate issuer

Manufacture of Block & P.E Including Outfitting of Pipes & Units and Painting Works for Shipbuilding



The Status and Validity of this Certificate may be verified in real time by scanning the adjacent QR Code.
This certificate is valid until the Expiry Date shown on the condition that audits are conducted each year and paid for as per the Certification Agreement. Should this condition not be met, cancellation procedures will be initiated, and the cancellation status will be revealed when the QR Code is scanned. This Certificate remains the property of the Certificate issuer and must be returned upon request. It must not be altered in any way. Intentional misuse of this certificate will result in cancellation without prior notification.



CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT
THE OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM OF

MIBOO HEAVY INDUSTRIES Co., Ltd.
613-81-49318

Head Office: 3F, 82 Amnamgongwon-ro, Seo-gu, Busan, Republic of Korea
Tongyeong AhnJeong Factory: 946 Gongdan-ro, Gwangdo-myeon, Tongyeong-si, Gyeongsangnam-do, Republic of Korea
Tongyeong AhnJeong No.2 Factory: 850 Gongdan-ro, Gwangdo-myeon, Tongyeong-si, Gyeongsangnam-do, Republic of Korea

Has been assessed and registered as complying with the requirements of the International Standard shown above for the following Goods and Services. Further clarifications regarding the scope of this certificate and the applicability of the requirements of:

ISO 45001:2018
may be obtained by consulting the certificate issuer

Manufacture of Block & P.E Including Outfitting of Pipes & Units and Painting Works for Shipbuilding



The Status and Validity of this Certificate may be verified in real time by scanning the adjacent QR Code.
This certificate is valid until the Expiry Date shown on the condition that audits are conducted each year and paid for as per the Certification Agreement. Should this condition not be met, cancellation procedures will be initiated, and the cancellation status will be revealed when the QR Code is scanned. This Certificate remains the property of the Certificate issuer and must be returned upon request. It must not be altered in any way. Intentional misuse of this certificate will result in cancellation without prior notification.

선급 공장 승인서(DNV / LR / BV)

DNV

RECOGNITION OF
WELDING WORKSHOP

DNV Id No:
Gen-Class/IPUS-J-
41556
Date of issue:
2023-12-15

This is to confirm that:

Miboo Technology Co., Ltd.
Tongyeong Ahnjeong Factory: 946 Gongdan-ro, Gwangdo-myeon,
Tongyeong-si, Gyeongsangnam-do, Korea
Tongyeong Ahnjeong No.2 Factory: 850 Gongdan-ro, Gwangdomyeon,
Tongyeong-si, Gyeongsangnam-do, Korea Korea

Has been assessed for quality system in performing welding of

- Hull structural parts
- Piping on deck

With reference to
DNV-RU-SHP Pt. 2 Ch. 4 Sec. 1 [1.3]
MCS UR 223

And has been accepted to perform the welding of above-mentioned welded parts under the supervision of the manufacturer's:

- Welding supervisor: **Oh, Chang Gwon**
- Deputy welding supervisor: **Park, Sang Jin**

This statement remains valid for one (1) year from the date of issuance.

Issued at Geoje, Republic of Korea on 2023-12-15

for DNV
for **Birkic, Dario**
Station Manager

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Form code: DEC 901 Revision: 2021-03 www.dnv.com Page 1 of 1

LR



MIBOO Heavy Industries Co., Ltd.

946, Gongdan-ro, Gwangdo-myeon, Tongyoung-si,
Gyeongsangnam-do,
Republic of Korea

Your ref -

Our ref: OSM/YGK/O-1276

Date: 25 July 2024

Lloyd's Register Asia
c/o Samsung Heavy Industries
Co., Ltd. 80, Jangpyeong-ro,
Geoje-si

Gyeongsangnam-do 53261,
Republic of Korea

T +82 (0)55 830 8155
E koje@lr.org
www.lr.org

Annual Audit

This letter is issued to Messrs: MIBOO Heavy Industries Co., Ltd. (No.1 and 2 Factory)

The undersigned Surveyor did, at their request, attend their works on 24 June 2024 (No.1 Factory) and 25 July 2024 (No.2 Factory) for the proposal of Annual Audit of Shipyard Subcontractor in accordance with LR Rules and regulations.

The following scopes of the audit were carried out to evaluate their production capability as a subcontractor to the shipyard;

- Health and Safety matters
- Workshop and Facilities condition (No.1 and 2 Factory)
- Quality Management System
- Material handling, its storage condition, Traceability and Identification
- Control of Subcontractors to their company
- Drawing Control
- Manufacturing Control for Marine block Fabrication works.
- Manufacturing Control for Marine outfitting pipe works (Stainless steel pipes and fittings etc).
- Control of Welding Procedures, Welder Qualification, Welding consumable and Non-Destructive Examination for Marine block and outfitting works
- Calibration of Equipment (Welding machines, gauges used in leak test and etc)
- ETC.

We found out that they can provide products in accordance with LR Rules and regulations.

The validity of the audit is One(1) year from the effective date (24 June 2024).

Thank you for your continued co-operation with Lloyd's Register, and please contact this office if you require further assistance.

Y.G Kim
Senior Surveyor to Lloyd's Register Asia
LR Koje Office

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BV



Nr.: ULS/SCA/2023/H005

ACKNOWLEDGEMENT

For Shipyard Sub-contractor Facility

Issued within the scope of the Bureau Veritas Marine & Offshore General Conditions
Délivrée dans le cadre des Conditions Générales de la Bureau Veritas Marine & Offshore

This to declare that:

MIBOO TECHNOLOGY Co., Ltd.

Works address:

#1_946, Gongdan-ro, Gwangdo-myeon, Tongyeong-si, Gyeongsangnam-do, Republic of Korea
#2_850, Gongdan-ro, Gwangdo-myeon, Tongyeong-si, Gyeongsangnam-do, Republic of Korea

Product range:

Block fabrication, Outfitting and Painting

is acknowledged by the Society.

The construction facilities, relevant qualifications and associated procedures in terms of Safety Environment and Quality Management System were found suitable, in the opinion of Bureau Veritas, for carrying out the inspections of the above products in compliance with Bureau Veritas Rules, by Bureau Veritas surveyors.

This statement is valid for the duration of construction of BV Classed Units and it is to be renewed when:

- one year lapsed since last construction completed, or
- significant new infrastructure has been added, or
- there has been a significant management or personnel re-structuring having an impact on the construction process, or
- the Company intends to construct a unit of a substantially different or novel design

Any modification to the construction facilities, the relevant qualifications and the associated procedures in terms of Safety Environment and Quality Management System is to be immediately declared to Bureau Veritas in order to take appropriate actions.

Made at Ulsan, Korea
on 18th December 2023

Jae-Kwang. SHIN



The latest published Rules of the Bureau Veritas Marine Division and the General Conditions therein are applicable.
La dernière édition des Règlements de la Direction Marine du Bureau Veritas ainsi que les Conditions Générales qui y figurent sont applicables.

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgment, fault or negligence committed by personnel of the Society or of its Agents in the establishment or issuance of this document, and in connection with any activities for which it may provide.

Toute personne qui n'est pas partie au contrat sous lequel ce document est délivré ne pourra engager la responsabilité du Bureau Veritas pour les inexactitudes ou omissions qui pourraient y être relatives ainsi que pour les erreurs de jugement, faute ou négligence commises par le personnel de la Société ou par ses agents dans l'établissement de ce document et dans l'exécution des interventions qu'il comporte.

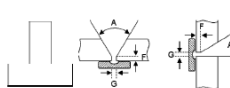
Nd. Ad. WME-46B

WPS 보유현황

Welding process	Type	Type of Joint	Material Grade	Position	Class						Item
					DNV	LR	ABS	KR	NK	BV	
SAW	Automatic	Butt	~DH36	1G(PA)	√	√	√	√	√	√	6
			~LT	1G(PA)	√	√	√		√	√	5
FCAW	Machine	Fillet	~EH36	2F(Horizontal)	√	√	√	√		√	5
	Semi-automatic	Fillet	~DH36+SUS316	All Position	√	√	√			√	4
	Semi-automatic	Butt	~DH36	All Position	√	√	√	√	√	√	6
	Semi-automatic	Butt	~LT	All Position	√	√	√		√	√	5
	Semi-automatic	Butt	SUS316+LT	All Position	√						1
	Semi-automatic	Butt	9%Ni+DH36	All Position	√						1
	Semi-automatic	Butt	9%Ni+SUS	All Position	√						1
GTAW	Manual	Butt	A106 STEEL	6G	√	√	√	√		√	6
	Manual	Butt	SUS 304, 316	6G	√	√	√	√		√	6
TOTAL											46

WELDING PROCEDURE SPECIFICATION

(AWS D1.1 - 2020 Edition)

DESCRIPTION			
Company Name : MIBOO Tech Co., Ltd.			
Applicable Site : 946, Gongdan-ro, Gwangju-myeon, Tongyeong-si, Gyeongangnam-do, Republic of Korea			
Welding Procedure Specification No. : MB-FCV-G-01		Date : 22 / Dec / 2021	
Supporting PQR No. (s) : MB-QFCV-03, MB-QFCV-04		Revision No. : 0	
Welding Process(es) : FCAW		Date : 22 / Dec / 2021	
Applicable Code : AWS D1.1(2020) & Class Rule		Type(s) : Semi-Automatic or with carriage	
JOINTS		JOINT SKETCH	
Type of Joint	See Joint Sketch		
Backing	Yes		
Backing Material	Ceramic Backing Material		
Back Gouging	N/A		
Backing Brand	CEM-5061, CEM-5062, CEM-5063		
Groove Angle(A) [°]	30° ~ 40°		
Root Face(F) [mm]	0 ~ 2.0		
Root Gap(G) [mm]	0 ~ 2.0		
Other	N/A		
BASE METALS		PWHT	
Material Grade	NV A, NV B, NV D, NV A3036, NV D3206	PWHT Temperature	N/A
Qualified Thickness Range [mm]	10.0 ~ 40.0 [Fillet : Unlimited]	Aws No (Class)	N/A
Qualified Diameter Range [mm]	0.0 ~ 500	Holding Time	N/A
FILLER METALS		SHIELDING	
Specification	AWS A 5.20 E71T-1C	Flux	N/A
Grade	ABD	Electrode-Flux (Class.)	N/A
	BV	Brand Name	N/A
	DNV	Shielding Gases (Single, Mixture or %)	Co ₂ , 99.99%
	K/R	Flow Rate [L/min]	25 ~ 30
	RS	Back Purging	N/A
	RS	Backing Flow Rate [L/min]	N/A
	RS	Gas Cup Size [mm]	20 ~ 30
	RS	Other	N/A
	RS	Consumable Insert	N/A
	RS	Other	N/A
POSITIONS		TECHNIQUE	
Position of Groove	ALL	String / weave	String / Weave
Weld Progression (Up/lt, Down/ht)	Up/lt (Vertical)	Multi to Single Pass/Slide	Single
Other	N/A	Single to Multi Electrodes	Single
	N/A	Electrode Spacing	N/A
	N/A	Tube Work Distance [mm]	15 ~ 25
PREHEAT			
Min. Preheat Temperature	1 ~ 30mm : Dryout	Preheating	N/A
Max. Inter-Pass Temperature	30mm ~ 1 ~ 40mm : 65°C	Initial & Interpass Cleaning	Grinding and Wire Brushing
Other	250°C	Other	N/A

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MIBOO TECH



FCAW

WELDING PROCEDURE SPECIFICATION

(AWS D1.1 - 2020 Edition)

DESCRIPTION			
Company Name : MIBOO Tech Co., Ltd.			
Applicable Site : 946, Gongdan-ro, Gwangju-myeon, Tongyeong-si, Gyeongangnam-do, Republic of Korea			
Welding Procedure Specification No. : MB-SAW-G-02		Date : 22 / Dec / 2021	
Supporting PQR No. (s) : MB-GSAW-01		Revision No. : 0	
Welding Process(es) : SAW		Date : 22 / Dec / 2021	
Applicable Code : AWS D1.1(2020) & Class Rule		Type(s) : Automatic (Machine)	
JOINTS		JOINT SKETCH	
Type of Joint	See Joint Sketch		
Backing	No		
Backing Material	N/A		
Back Gouging	N/A		
Backing Brand	N/A		
Groove Angle(A) [°]	5° ~ 10°		
Root Face(F) [mm]	N/A		
Root Gap(G) [mm]	0 ~ 1.5		
Other	N/A		
BASE METALS		PWHT	
Material Grade	NV F3026 AND EQUIVALENT STEEL	PWHT Temperature	N/A
Qualified Thickness Range [mm]	9.8 ~ 15.4	Aws No (Class)	N/A
Qualified Diameter Range [mm]	N/A	Holding Time	N/A
	N/A	Other	N/A
FILLER METALS		SHIELDING	
Specification	AWS A 5.23 E43	Flux	N/A
Grade	ABD	Electrode-Flux (Class.)	AWS A5.23 F7A8
	BV	Brand Name	Superflux 65ULT (HYUNDAI)
	DNV	Shielding Gases (Single, Mixture or %)	N/A
	K/R	Flow Rate [L/min]	N/A
	RS	Back Purging	N/A
	RS	Backing Flow Rate [L/min]	N/A
	RS	Gas Cup Size [mm]	N/A
	RS	Consumable Insert	N/A
	RS	Other	N/A
POSITIONS		TECHNIQUE	
Position of Groove	ALL (PA)	String / weave	String
Weld Progression (Up/lt, Down/ht)	Multi to Single Pass/Slide	Single (Both Side)	Single
Other	N/A	Single to Multi Electrodes	Single
	N/A	Electrode Spacing	N/A
	N/A	Tube Work Distance [mm]	15 ~ 40
PREHEAT			
Min. Preheat Temperature	1 ~ 15.4mm : Dryout	Preheating	N/A
Max. Inter-Pass Temperature	250°C	Initial & Interpass Cleaning	Grinding and Wire Brushing
Other	N/A	Other	N/A

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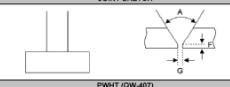
MIBOO TECH



SAW

WELDING PROCEDURE SPECIFICATION

(ASME Section IX - 2015 Edition)

DESCRIPTION			
Company Name : MIBOO Tech Co., Ltd.			
Applicable Site : 946, Gongdan-ro, Gwangju-myeon, Tongyeong-si, Gyeongangnam-do, Republic of Korea			
Welding Procedure Specification No. : MB-GTAW-G-01		Date : 22 / Sep / 2021	
Supporting PQR No. (s) : GY-QGTW-01-01, GY-QGTW-02-01, GY-QGTW-03-01		Revision No. : 0	
Welding Process(es) : GTAW		Date : 22 / Sep / 2021	
Applicable Code : ASME Sec. IX & Class Rule		Type(s) : MANUAL	
JOINTS (GW-402)		JOINT SKETCH	
Type of Joint	See Joint Sketch		
Backing	No		
Backing Material	N/A		
Back Gouging	N/A		
Groove Angle(A) [°]	45° ~ 60° ~ 10°		
Root Face(F) [mm]	0 ~ 2.0		
Root Gap(G) [mm]	1.5 ~ 7.0, 0-2 for Fillet Only		
BASE METALS (GW-403)		PWHT (GW-407)	
Group No.	8 to 8	PWHT Temperature	N/A
P-No.	1 to 1	Aws No (Class)	N/A
Max. Grade	A312 TP316	Holding Time	N/A
Qualified Thickness Range [mm]	1.5 ~ 25.4, Unlimited for Fillet	Other	N/A
Qualified Diameter Range [mm]	0.0 ~ 10.0		
FILLER METALS (GW-404)		SHIELDING (GW-408)	
A-No.	1.8	Electrode-Flux (Class.)	N/A
F-No.	0	Shielding Gas(es)	N/A
Specification	ASME SFA 5.9 ER316L	Shielding Gas(es) (Single, Mixture or %)	Ar, 99.99%
Grade	0	Flow Rate [L/min]	15 ~ 30
Wire Size [mm]	2.0 or 2.4	Back Purging	Ar, 99.99%
Brand Name	ST-316L (HYUNDAI)	Backing Flow Rate [L/min]	5 ~ 35
Consumable Insert	N/A	Gas Cup Size [mm]	10 ~ 20
Other	N/A	Other	N/A
POSITIONS (GW-405)		TECHNIQUE (GW-410)	
Position of Groove	1 to 1 (ALL)	String / weave	String / Weave
Weld Progression (Up/lt, Down/ht)	Up/lt	Multi to Single Pass/Slide	Multi
Other	N/A	Single to Multi Electrodes	Single
	N/A	Electrode Spacing	N/A
PREHEAT (GW-406)			
Min. Preheat Temperature	1 ~ 25.4mm : Dryout	Tube Work Distance [mm]	20 ~ 35
Max. Inter-Pass Temperature	148°C	Preheating	N/A
Other	N/A	Initial & Interpass Cleaning	Grinding and Wire Brushing
REMARKS			
1. A312 TP316, A308 GR 316L, A182 F316L, A403 WP 316L or Equivalents(P-No.8)			
2. This WPS can be applied for full penetration welds, partial penetration welds, fillet welds and tack welds.			
3. 이 WPS는 전작용성, 부분용성, 필렛 용접 및 기판에 적용 할 수 있다.			
4. Only stainless steel wire brushes and carbide grinders shall be used for cleaning.			
5. For the pipe welding, back shielding shall be maintained until the root welding is completed.			
6. 이 WPS는 전작용성, 부분용성, 필렛 용접 및 기판에 적용 할 수 있다.			
ELECTRICAL CHARACTERISTICS (GW-409)			
Layup	Eds. Type / Size	EWTH (-22.4mm)	N/A
Process	Class	Current Type & Polarity	DCEN
Root	GTAW	Amperage Range	70 ~ 120
Fill & Cap	GTAW	Voltage Range	10 ~ 18
		Travel Speed [mm/min]	0.54 ~ 1.26
		Heat Input [kJ/mm]	0.58 ~ 2.80
Prepared by	Reviewed by	Approved by	Authorized by

A4(210x297)

MIBOO TECH



GTAW

안전활동

Years	2021	2022	2023	2024	2025				
	Y	Y	Y	Y	1Q	2Q	3Q	4Q	Y
Average Number of Workers	47.0	186.43	242.22	355.81	373.07				373.07
Average Work Hours per person	8.79	8.49	8.25	8.11	7.99				7.99
Total Work Hours (Monthly)	21,628	565,315	653,571	896,351	250,348				250,348
Hazard Observation	0.00	0.00	0.00	0.00	0.00				0.00
Near Miss Incident	0.00	2	4.00	3.00	0.00				0.00
First-Aid Injury	0.00	0.00	0.00	0.00	0.00				0.00
Medical Treatment Injury	0.00	0.00	0.00	0.00	0.00				0.00
Lost Time Injury	0.00	0.00	0.00	0.00	0.00				0.00
Fatality	0.00	0.00	0.00	0.00	0.00				0.00
Total Recordable Injury	0.00	0.00	0.00	0.00	0.00				0.00
TRIR(Total Recordable Incident Rate)	0.00	0.00	0.00	0.00	0.00				0.00
LTIR(Lost-Time Incident Rate)	0.00	0.00	0.00	0.00	0.00				0.00

2021년 09월 01일 이후 미부중공업(주)의 무재해 기록은 1,285일 입니다.

더 나은 안전한 직장을 위해 앞으로도 최고의 성과를 위해 진심으로 노력하겠습니다.

안전활동

A. 안전활동(검사) 현황

	Date	Participant	2025 (Times)			
			1Q	2Q	3Q	4Q
Safety Walkthrough (The Wednesday of Every Weekly)	Weekly 08:00 ~ 09:00	CEO Subcontractor Rep. HSE Dep't	10	5		
Top Management Safety Group Meeting (The 3 rd Thursday of Every month)	Monthly 08:00 ~ 09:00	CEO Subcontractor Rep. HSE Dep't	3	2		
Overall Housekeeping (The Wednesday of Every Weekly)	Weekly 07:45 ~ 08:00	All employees.	10	5		
Joint Safety Conference Every Wednesday.	Weekly 09:00 ~ 10:00	CEO Subcontractor Rep. HSE Dep't	10	5		
Safety Campaign (Accident case of the same industry, Drink ing Test etc.)	Monthly	CEO Subcontractor Rep. HSE Dep't	3	2		
Monthly Safety Inspection (Wire rope, Clamp)	Monthly	HSE Dep't	3	2		
Monthly Safety Inspection (Fire Extinguisher, Fire Hydrant)	Monthly	HSE Dep't	3	2		
Monthly Safety Inspection (Forklift, Cherry Picker)	Monthly	HSE Dep't	3	2		
A yearly Safety Inspection (Shackle, Forklift, Hook)	Yearly	HSE Dep't	0	0		

B. 운반작업안전

Job Safety Analysis/위험요인분석

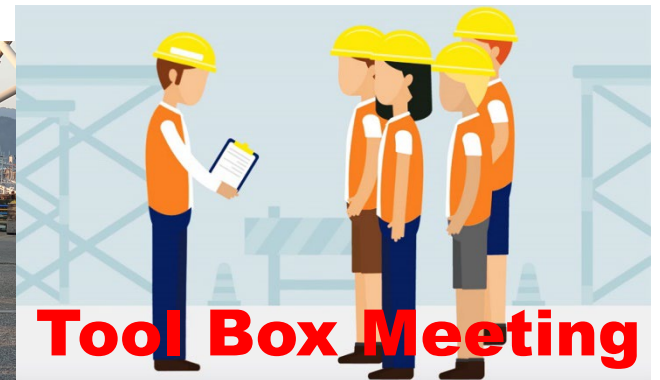
작업 전 Tool Box Meeting

작업 전 사전 검사

조종수 및 신호수

운반 작업 후 안전

Job Risk Assessment Matrix						
SEVERITY	CONSEQUENCE	LIKELIHOOD				
		1	2	3	4	5
		So unlikely that it can be assumed occurrence may not be experience	Not likely to occur in the company but probable	Likely to occur sometimes in the company(1~3 times)	Likely to occur several times in the company(4~10 times)	Likely to occur repeatedly in the company(>10 times)
5	Fatality/Oil Pollution/Property Damage	M	H			
4	Permanent Total Disability/Illegal Disposal/Company Reputation Damage	M		High Risk (Intolerable)		
3	Major injuries or health impact or Environment effects	L	Medium Risk (Tolerable)		H	
2	Minor injuries or health impact or Environment effects	Low Risk (Negligible)		M		H
1	No/Slight injuries or health impact or Environment effects	L			M	
Note) Risk Level : 0 to 4 = L [Low], 5 to 9 = M [Medium], 10 and above = H [High Risk], [Risk Level = Severity x Likelihood]						



안전활동

C. 고소작업

안전대 착용

(100% Tie-off and Double Lanyards)



고소차 안전(개인보호구 착용)

(최대 2인까지 탑승 / AWL : 80% of Max. loads)



비계 및 안전 가드레일 설치

D. 작업승인서

밀폐공간 작업 승인

화기작업시 모든 도장 작업 불가

화기작업시 기타 혼재 작업 불가

비계설치시 기타 혼재 작업 불가

비계해체시 기타 혼재 작업 불가

밀폐구역 표지판

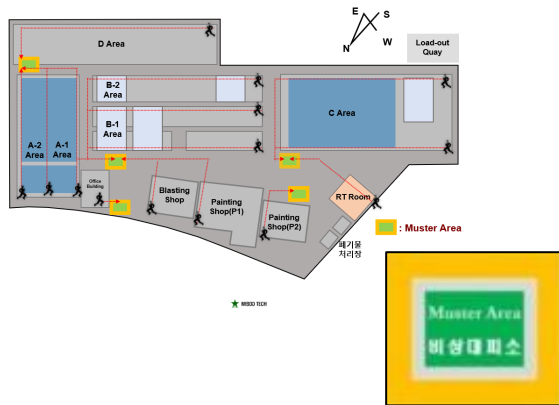


작업 승인구역
가스측정 및 환풍시설



E. 현장에서의 비상 상황 대비

현장 비상 대피로



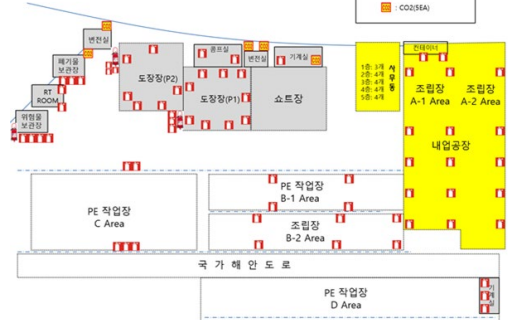
사고 발생 시 행동요령

안전행동 안내도 "응급상황 발생시 우측으로 연락 요청"

응급 병원 정보 Hospital Information	비상 연락처 Responsibility Person Contact Point
1. 강병원 (Kang Hosp.) 055-673-0101 (10분 이내)	총괄: 박재식 대표 : 010-5588-6842
2. 동명중앙병원 (Dongmyeong Central Hosp.) 055-643-9119 (15분 이내)	선배: 최성환 부장 : 010-9070-3384
	배달: 이준원 부장 : 010-6553-1386
	도장: 박민기 부장 : 010-4806-7772
	중환: 박성진 부장 : 010-4544-3055
	공무: 신현호 부장 : 010-4743-1215
	안전: 오정환 부장 : 010-4530-2907
긴급구조 요청 Emergency Rescue Team 119	

안전공무부 비상 연락망 → 645 - 3621
현장에서 비상상황의 발생 또는 목격 시에는 상기와 같이 보고하여 주시기 바랍니다.

미부테크(주) 소화기 배치 현황



중량물 취급 주의

비대기 9kg 이상	40kg 이상	그라 면대 9kg 이상	HV 공구 9kg 이상
용접 900대 10kg 이상	사공 10kg 이상	40kg 물막 10kg 이상	타이어 10kg 이상
유압 차기 10kg 이상	임박한 10kg 이상	이동식 편 10kg 이상	반지그 10kg 이상

올바른 작업방법

1. 무거운 물건을 옮길 때는...
2. 무거운 물건을 옮길 때는...
3. 무거운 물건을 옮길 때는...
4. 무거운 물건을 옮길 때는...
5. 무거운 물건을 옮길 때는...

중량물 운반 시 주의사항

- 중량물 운반 시 주의사항
- 중량물 운반 시 주의사항
- 중량물 운반 시 주의사항
- 중량물 운반 시 주의사항
- 중량물 운반 시 주의사항

미부테크(주) 구급함 배치도



화재발생 시 행동 요령

화재는 예방이 최우선이지만 만약 화재가 발생한다면 순식간에 불길이 번지게 되므로 초기진압이 매우 중요합니다. 화재발생시 신고요령, 대피요령, 소화요령 등을 사전에 익혀 우리의 소중한 생명과 재산을 보호합시다.

화재발생시 조치요령

1. 화재발생 시 초기진압을 시도한다.
2. 초기진압이 불가능할 경우, 645-3621로 신고한다.
3. 신고 후, 소화기를 사용하여 초기진압을 시도한다.
4. 초기진압이 불가능할 경우, 대피한다.

소화기 사용요령

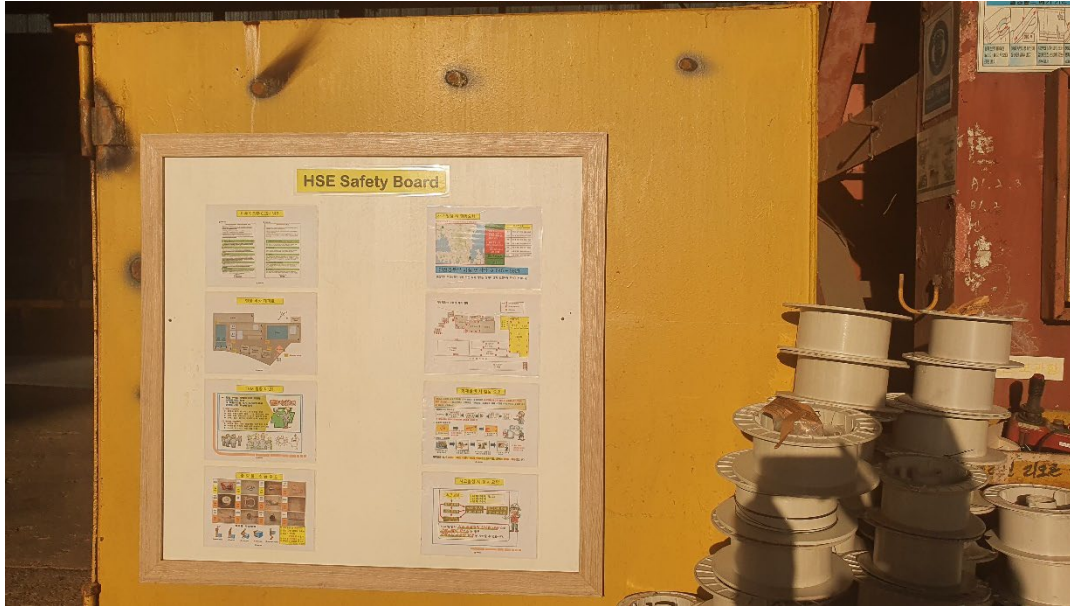
1. 소화기를 잡고, 손잡이를 누른다.
2. 손잡이를 누르면, 소화기의 노즐이 나오며, 노즐을 화재원 방향으로 향하게 한다.
3. 손잡이를 누르면, 소화기의 노즐이 화재원 방향으로 향하게 한다.
4. 손잡이를 누르면, 소화기의 노즐이 화재원 방향으로 향하게 한다.

소화전 사용요령

1. 소화전을 열고, 손잡이를 누른다.
2. 손잡이를 누르면, 소화기의 노즐이 나오며, 노즐을 화재원 방향으로 향하게 한다.
3. 손잡이를 누르면, 소화기의 노즐이 화재원 방향으로 향하게 한다.
4. 손잡이를 누르면, 소화기의 노즐이 화재원 방향으로 향하게 한다.

화재발생 초기 소화기 1대는 소화차 1대의 위험이 있습니다만, 화재는 예방이 최우선입니다.

F. 안전환경보건 안내판



- ❖ 미부중공업(주) 품질환경안전보건방침
- ❖ 비상 연락처 정보
- ❖ 비상 대피 경로
- ❖ 중량물 취급 지침
- ❖ 화재 진압 지침
- ❖ Tool Box Meeting 지침
- ❖ 안전 작업 가이드 라인
- ❖ 개인보호구의 적절한 사용법
- ❖ 기타.

귀하의 관심에 진심으로 감사드립니다.

우리는 이 기회를 빌어 최고의 성과로 고객을 지원하고 싶습니다.