

G 콜리엇리프트®
GOLIATH LIFT

G 콜리엇엘리베이터®
GOLIATH ELEVATOR



세계일류상품

세계최초 초대형 신개념 승강기

- CONSTRUCTION
- SEMICONDUCTOR DISPLAY, OLED, FACTORY
- LARGE EQUIPMENTS LIFTING
- PUBLIC TRANSPORTATION
- OFF-SHORE PLANT
- SHIPYARD
- MINE, PETROCHEMISTRY
- LARGE SIZE LOGISTICS



주식회사 송산특수엘리베이터
SONGSAN SPECIAL ELEVATORS CO., LTD.



GOLIATH LIFT® GOLIATH ELEVATOR®

초대형 반도체·디스플레이 생산시설·해양플랜트·대형 선박건조의
혁신적인 생산성과 안전솔루션!

초대형 엘리베이터 전체를 이동하여 PLUG IN 즉시 사용하는 최첨단 신개념 공법!
송산특수엘리베이터가 세계 최초로 이루어 냈습니다!

Very large semiconductor and display production facilities
Innovative productivity and safety system for the building offshore plant · large vessel
High-tech method that moving the whole mega Elevator and plug in for immediately operation.
Pioneer Songsan Special Elevators creates miracles in the first through out the world.

SONGSAN GOLIATH



FEATURE

CAPACITY 50~500 인승 | 10~50 톤 · Max. 100 톤
prs ton ton

골리앗 승강기의 용도 및 특징

Usage and Feature of Goliath LIFT & EV



- 1 건설·반도체·디스플레이·조선해양플랜트 프로젝트의 생산성 혁신기법
Techniques for Innovating Productivity in Construction, Semiconductor Display, Offshore Plant Ship Building projects.
- 2 일체형 골리앗 모듈을 간편하게 이설사용
Easy to use all-in-one Goliath module.
- 3 초대형 규격의 승객 및 화물 운송용 승강기
Mega size passenger and freight Lifts.
- 4 외장이 필요 없는 옥외 전천후형 · 최소풍 하중 설계
No need building exterior and outside. All weather proof type minimum wind pressure design.
- 5 지상면 위에 안착 · 피트없이 사용 또는 건물 준공 후 영구적 사용
Landing on the ground and using without PIT or permanent usage.
- 6 초대형 도어 및 착상층 변경 용이
Mega size door and easy to change the landing floors.
- 7 제조공정의 혁신과 안전하고 효율적인 작업환경
Innovation of manufacturing process, safe and efficient working environment.
- 8 일체형 계단을 내장하여 별도의 작업계단 불필요 (선택사양)
Assembled steps are embedded, no need additional staircase. (Option)
- 9 대형화물차·지게차 탑재 운송 및 고하중 대형장비운반
Loading mega truck, forklift and transporting the heavy weight facilities.

MAJOR PROJECT RECORDS





주요 구성장치 특징점

MAIN CONFIGURATION DEVICE FEATURES

최첨단 성능과 고품질의 **GOLIATH®**은 안전과 편의를 최우선으로 하는 완벽하고 철저한 기술개발과 사후관리로 최고의 명성과 신화를 구축해오고 있습니다.

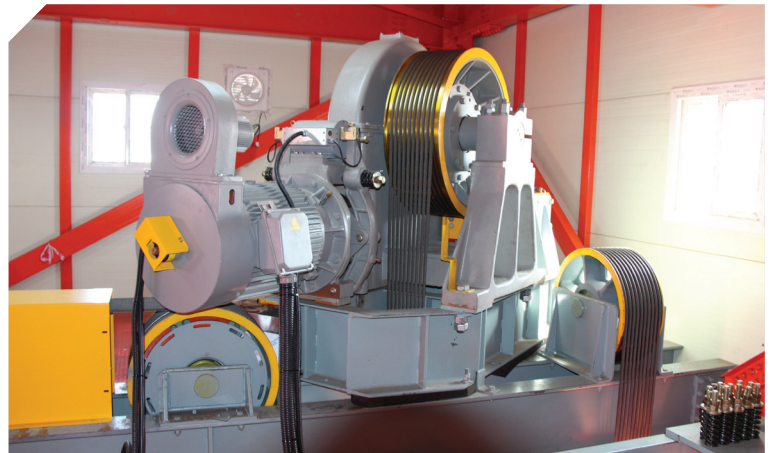
High-tech performance and high-quality of Goliath is building the number one reputation and mythology through the top priority of safety and convenience for perfect and thorough technical development, post management.

기계실 Machine Room

컨트롤 판넬 Goliath CP
Controller | AC-VVVF VECTOR DRIVE UNIT



초대형 권상기
Heavy Duty Traction Machine, Goliath TM



카 & 도어 Car & Hall | Door Opening

초대형 도어개폐 Width 4.0m~8.0m | Height 2.8m~6.0m
6-CO DOOR SYSTEM

인승용 | Passenger



화물용 | Freight



카내 운전반

Car Operating Panel

HIB

Hall Indicator & Button



홀랜턴_Option

Hall Lantern



버튼

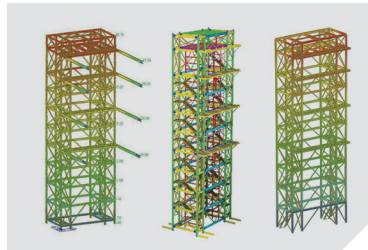
Special Button



옥외전천후
폴리앗 설계 시스템

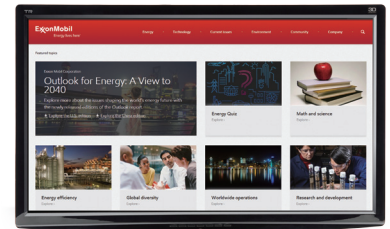
고강도 안전설계 · 첨단 특허 기술 적용

The Goliath Patents Safety Design



모니터

Monitor



CCTV

CCTV



환기장치

Ventilator
Air Conditioner (Option)



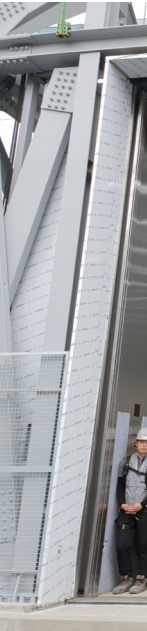
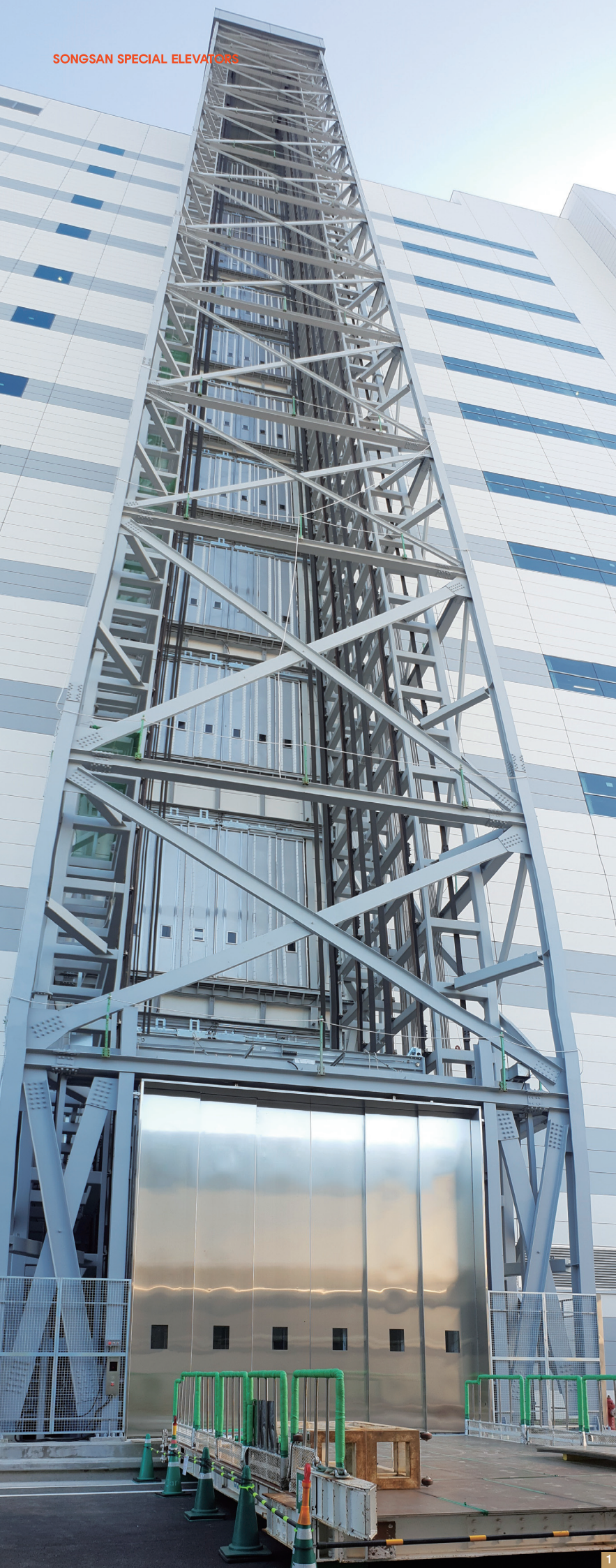
G 콜리엇리프트® GOLIATH LIFT

G 콜리엇엘리베이터® GOLIATH ELEVATOR

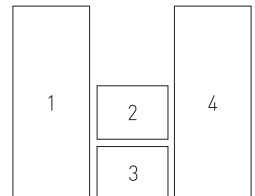
첨단 초대형 반도체·디스플레이 생산시설
건설 및 장비반입의 혁신적인 인화물용
생산성과 안전솔루션!

Innovative productivity and safety system for
Construction, Semiconductor · Display ·
Large Heavy Equipments and Lifting
Freight & Passenger.

High-tech method that moving the whole mega
Elevator and plug in for immediately operation.



- 1 LGD Goliath EV, 50ton
- 2 LGD Goliath EV, 50ton
- 3 LGD Goliath EV, 50ton
- 4 LGD Goliath EV, 50ton





G[®] 콜리엇리프트[®] GOLIATH LIFT G[®] 콜리엇엘리베이터[®] GOLIATH ELEVATOR

초대형 제조시설의 건축부터 장비반입, 양중, 인원수송까지
최상의 안전하고 효율적인 솔루션 콜리엇승강기입니다.

The best safe and efficient solution from the construction of large manufacturing facilities to lifting of equipments and passengers. Only Goliath LIFT & EV!

- 1 LGD Goliath EV, 50ton
- 2 LGD Goliath EV, 50ton
- 3 LGD Goliath EV, 40ton,Guangzhou
- 4 LGD Goliath EV, 40ton,Guangzhou

	2
1	3
	4





2



3



4



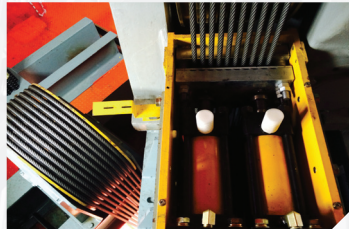
안전장치 SAFETY EQUIPMENTS

적재하중 검출 모니터링 장치
중량초과 계측 제어장치
적재중량 로드셀 검출장치

Load Weighing Device & Monitor
Load Cell Device



초대형 고하중용 로프 브레이크
Heavy Duty Rope Brake Safety.



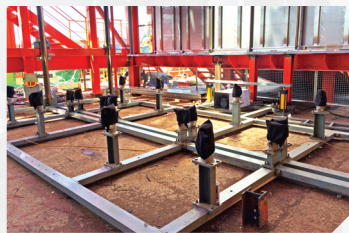
오버스피드 가버너 및 비상정지장치
Over Speed Governor and
Heavy Duty Safety Device



고하중 적재 처짐방지 안전 시스템
Car Anti Creeping Device



고하중용 유압식 완충기
Heavy Duty Oil Buffer



승강로 일체형 계단 및 안전조명
Integrated Staircase with Hoistway
엘리베이터의 승강로 좌우측에 일체형 계단을 구비
별도의 작업용 계단이 필요없음 (선택사양)
Constructed Staircase with Goliath Elevator,
No Need Additional Staircase for Works



풍속관제 안전운전 시스템
디지털 풍속계 및 모니터링
Wind Safety control system
Digital wind Speedmeter & Monitor



고하중용 안전 제동장치
Heavy Duty Main Brake



자동식 램프 및 안전난간
Safety Staircase & Anti Slip Auto Ramp
지게차 탑승 경로 및 일체형 안전계단 (선택사양)
Ramp for Forklift and Staircase



기술자료

TECHNICAL INFORMATION

표준설계제원표

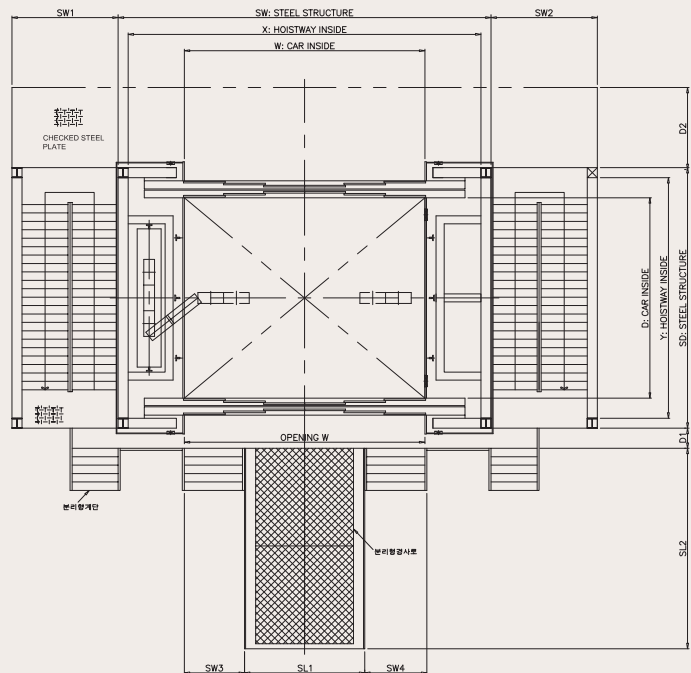
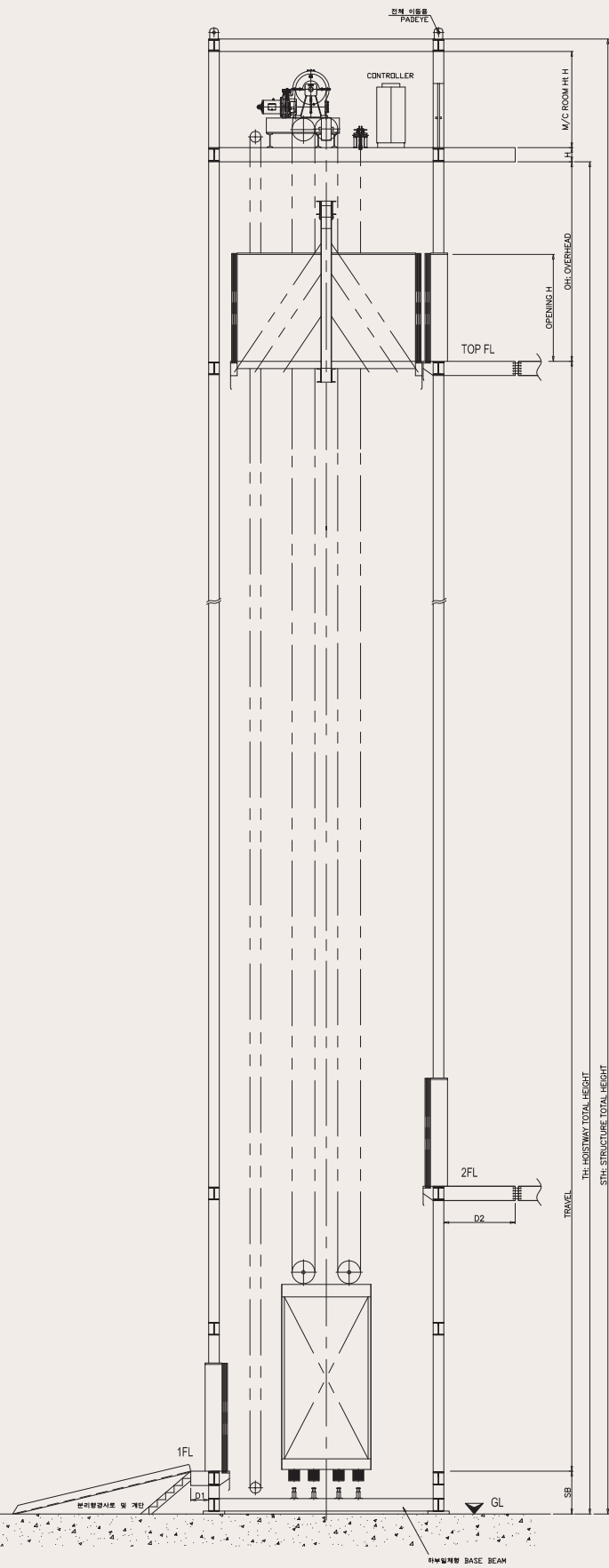
Standard Duty Tables

AC-VVVF INVERTOR VECTOR DRIVE SYSTEM

Capacity (ton/person)	10 ton	20 ton	30 ton	40 ton	50 ton
	150p	300p	450p	600p	750p
Speed m/min(m/sec)	30(0.5)		45(0.75)	60(1.0)	
Car Inside (mm)	W	4000	7000	7000	8000
	D	5000	6000	7000	8000
Opening (mm)	W	4000	7000	7000	8000
	H	2800	3200	4000	5000
Hoistway Inside (mm)	X	6800	9800	9800	11000
	Y	6000	7000	8000	9000
M/C Room Size (mm)	W	6800	9800	9800	11000
	D	6000	7000	8000	9000
	H	2700	2700	3000	3000
OH (mm)	5300	5700	6500	7500	8500
SB (mm)	1200	1200	1300	1300	1500

Min. Capacity : 5 ton, Max. Capacity : 100 ton

Note : 위 표준제원은 고객의 요구에 따라 변경 적용이 가능합니다.
These specifications above are possible to be changed by customer's requirement anytime.



Note : SL1~2, SW1~4, D1-2, H dimensions are variable by analysis of building structure or customer needs
SL1 width is available full door opening.

G[®] 콜리엇리프트
GOLIATH LIFT

G[®] 콜리엇엘리베이터
GOLIATH ELEVATOR

NEW CHALLENGE



PRODUCTIVITY IMPROVEMENT



SONGSAN SPECIAL ELEVATORS CO., LTD.

Head Office / Factory

65, Mayu-ro 70beon-gil Siheung City, Gyeonggi-do, 15113, Korea
Tel:+82 31 433 2255 Fax:+82 31 433 6295
http : //www.songsan.co.kr
e-mail : songsan@songsan.co.kr

Customer service center and local office

Seoul, Busan, Samsung, Daejeon, Daegu, Ulsan, Anyang, Geoje
Seoul International Airport, Nongshim

Oversea marketing dept.

TEL : +82 31 433 9671 Contact : Sophia Kim
e-mail : omd@songsan.co.kr

Overseas Partners

Russia, Kazakhstan, Uzbekistan, Turkmenistan, Myanmar, Mongolia,
South America, Saudi Arabia, Iran, UAE, Bangladesh, Malaysia,
China, Taiwan, South Africa, Philippines, Indonesia

SAFETY FIRST



HIGH QUALITY



G[®] 콜리엇리프트
GOLIATH LIFT G[®] 콜리엇엘리베이터
GOLIATH ELEVATOR

SONGSAN 의 독자적 특허기술 및 제품으로 모방할 경우 민·형사상 처벌을 받을 수 있습니다.
It is independent patented technologies and product of Songsan Special Elevators,
if you copy it without agreement, receive civil and criminal penalties.