

# Belief · Love · Patience · Harmony

eng.hamchang.com



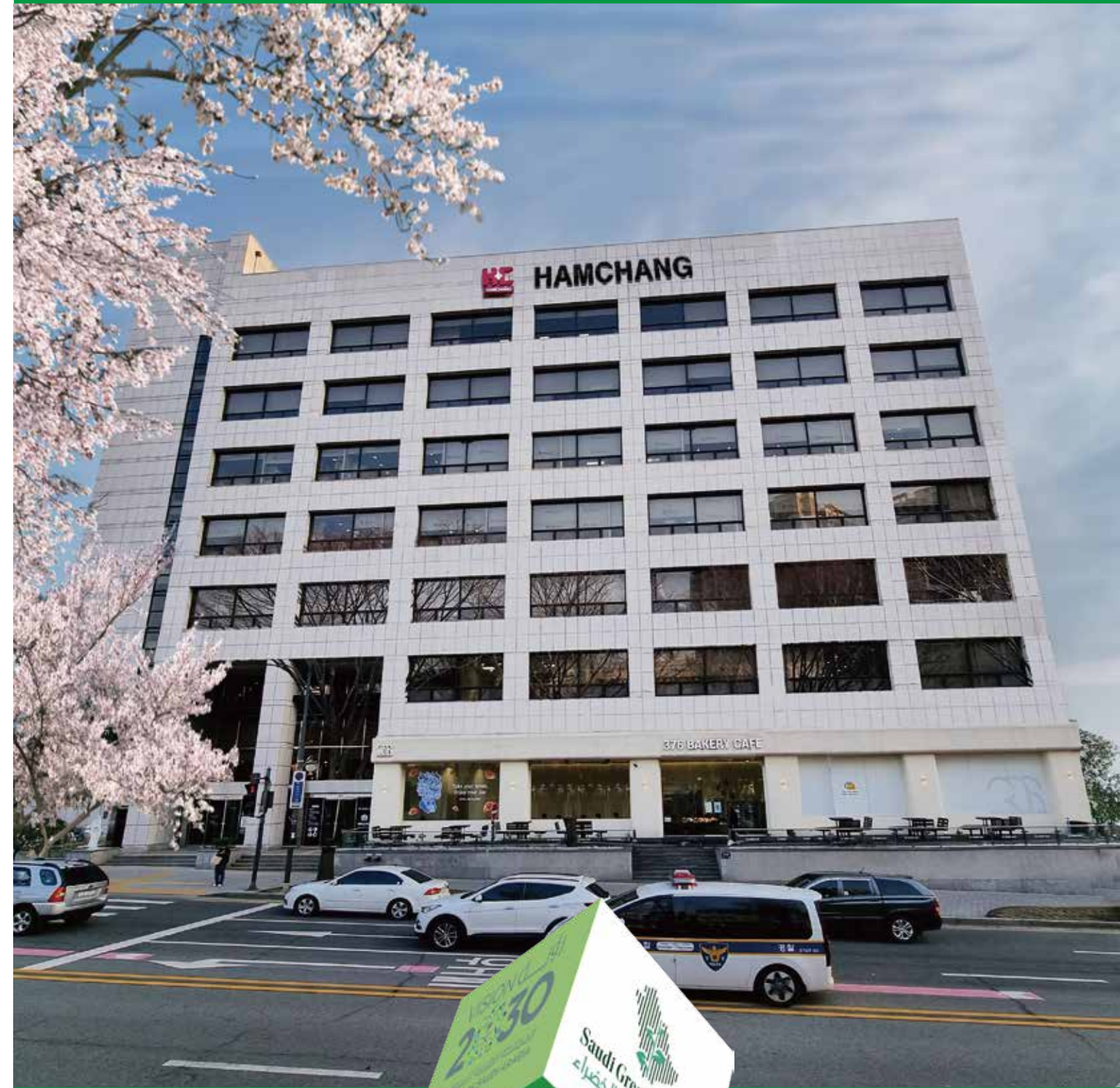
We think of what customers want, what all people dream of and more! We share our technology, making a better world. Communication with others, Ham Chang is bringing different worlds together.

## Ham Chang Corporation

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قناشدة ماه  
ةكرش

HAM CHANG  
CONTRACTING LLC







# New Global Leader Ham Chang



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## Introduction

### **The plant construction technology of Ham Chang has already settled in the world.**

Ham Chang is a global construction company in the field of storage tank, Industrial facilities, power plant and desalination plant and others.

Since establishment in 1988, we have become highly acknowledged nationally, henceforth extending our services overseas, especially in the Middle East.

With the corporate philosophy. 'Quality Comes First' we provide unparalleled quality for our customers, anywhere else in the world. This is why our customers chose us for complex projects, such as electromechanical erection works.

Ham Chang is now internationally recognized as a company for plant constructions, based on outstanding project track records, our advanced skill, and expertise.

## Chairman Message



**Chairman JUNG DAE HAM**

### **This is Jung Dae Ham, the Chairman of Ham Chang Global Corporation.**

Dear Stakeholder,

Ham Chang conducts business in a manner that adheres to foundational principles. Our code entails acting with belief, love, patience, harmony, and observing the Ham chang core values, policies, and ethics. We expect our employees and senior executives to make this a reality through strict adherence to The Code.

I began constructing various plants in Middle Eastern countries in 1977, and now, at the age of 80, I have been establishing a company in Saudi Arabia for several years and working with young Saudis.

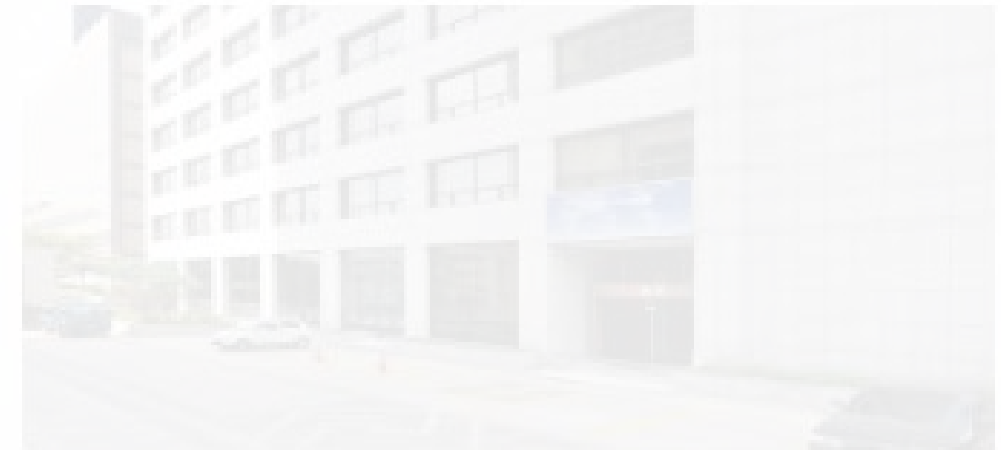
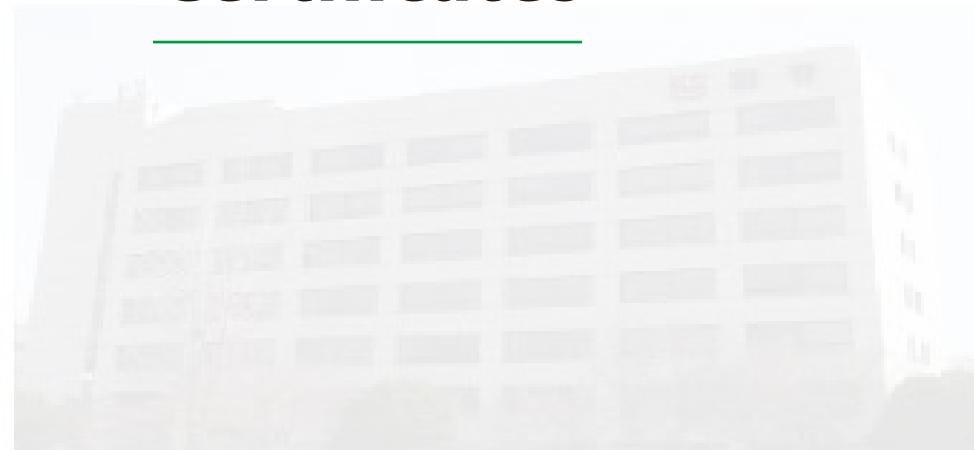
I am currently working diligently with the Muslim spirit, aiding in business growth, economic prosperity, and community flourishing.

Moreover, I expect young Saudis to become excellent engineers and lead the entire Saudi plant field for the rest of their lives. Hamchang leads the industry in innovative performance and project excellence.

With world—class expertise in engineering, technology, equipment supply chain, program management, and construction management, Ham Chang is a leader in the global construction industry.

We prioritize safety and sustainability, driven by an uncompromising commitment to safety. At Ham Chang, safety guides the actions of every individual. We also respect the customer's wishes regarding construction period and quality for any project. We strive to build a better future in the communities and project sites we serve around the world.

# Certificates



## Health & Safety

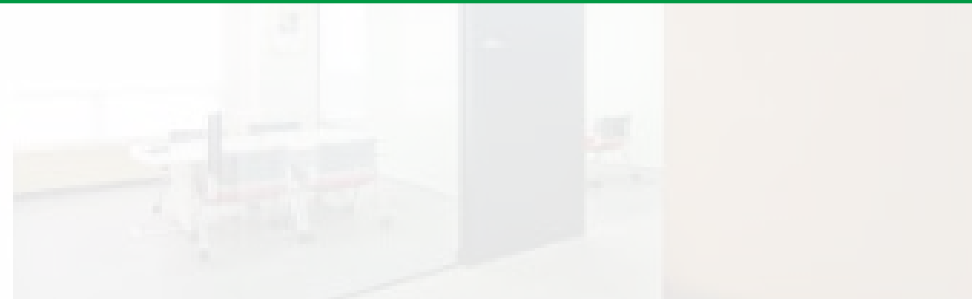
Occupational health and safety management system certificate  
AnnexISO 45001 : 2018 / ISO 45001 : 2018  
Issuing organization: Korea Productivity Center  
Initial certification date : Feb. 10, 2023

## Environment

Environmental management system certificate  
AnnexISO 14001 : 2015 / ISO 14001 : 2015  
Issuing organization :  
Korea Productivity Center  
Initial certification date: Jul. 09, 2012

## Quality

Quality management system certificate  
AnnexISO 9001 : 2015 / ISO 9001 : 2015  
Issuing organization :  
Korea Productivity Center  
Initial certification date: : Jan. 16, 2004





# Ham Chang History

**2023**

- Ham Chang Contracting LLC company name change From HarmChang Day Contracting Est. (Kingdom of Saudi Arabia)
- Contracted to Tuwaiq Casting and Forging Facility PJT

**2021 2022**

- Contracted to Tank Fabrication & Erection Work of Yanbu Ph.4 IWP PJT

**2020**

- Contracted to Mechanical Work for Pumping Station and Complete Station Pumping for Tanks at PS-1of Shuqaiq Phase 3 WTS PJT

**2019**

- Fabrication & Erection of 5 Steel Tanks(Fire Fighting Tanks) for Shuqaiq WTS- Phase3 PJT

**2018**

- Executon of Shoaiba RO Ph.4 Desalination & Water Storage Tanks(including Aluminum Dome) PJT and acquisition of shuqaiq Water Transmission System Phase 3 PJT

**2017**

- Contracted to assemble and install the Six Aluminum Roof of water tanks for Al-Rashid Trading & Contracting Co., Ltd.

**2016**

- The 43th Anniversary of Chamber day, Awarded citation by the minister of Ministry of Trade, Industry & Energy (Contribution to development of National industry)

**2015**

- HamChang General Contracting WLL founded(Qatar)

**2014**

- Relocated the Head Office of HamChang Corporation
- Selected “Promising Small and Medium Enterprise” by ShinHan Bank

**2012**

- The 39th Anniversary of Chamber day, Awarded citation by the minister of Ministry of knowledge Economy (Contribution to development of National industry)

**2012**

- The 22th anniversary of Ansan Chamber day, Awarded “ Technical Grand Prize”
- Awarded achievement award by Doosan Heavy Industries & Construction Co.,Ltd.(Shuweiha S2 Desalination Plant Project-U.A.E.

- Acquired Environmental Management System Certificate (ISO 14001 : 2009 / KS I ISO 14001 : 2009)

**2011**

- Ham Chang Corporation founded (Republic of South Africa)
- Selected “Promising Small and Medium Enterprise” in Gyeonggi-Do

**2010**

- The 37th Anniversary of Chamber day, Awarded citation (Contribution to development of commerce and industry)
- Ham Chang Madagascar founded (Republic of Madagascar)
- Awarded “Grand Prize for small and medium industry” by Small and Medium business administration & The Asia Economy Daily

**2009**

- Ham Chang General Contracting LLC founded (United Arab Emirates)

**2005**

- HarmChang Day Contracting Est. founded(Kingdom of Saudi Arabia)

**2004**

- Acquired Quality Management Certificate (ISO9001 : 2001 / KSA9001 : 2001)
- Obtained a License of Construction Industry for overseas(No.133)

**1997**

- Obtained a License of Plant & Mechanical works (Registration number : Gyeonggi 97-12-34)

**1995**

- Renamed HamChang Corporation

**1990**

- Incorporation of HamChang Electromechanical Company founded

**1988**

- Ham Chang Electromechanical Company founded



# Business Area

Energetic leap to reach the top class in the world

- STORAGE TANK (WATER / OIL)
- INDUSTRIAL FACILITIES
- POWER PLANT
- DESALINATION PLANT

Ham Chang  
believes in  
change.



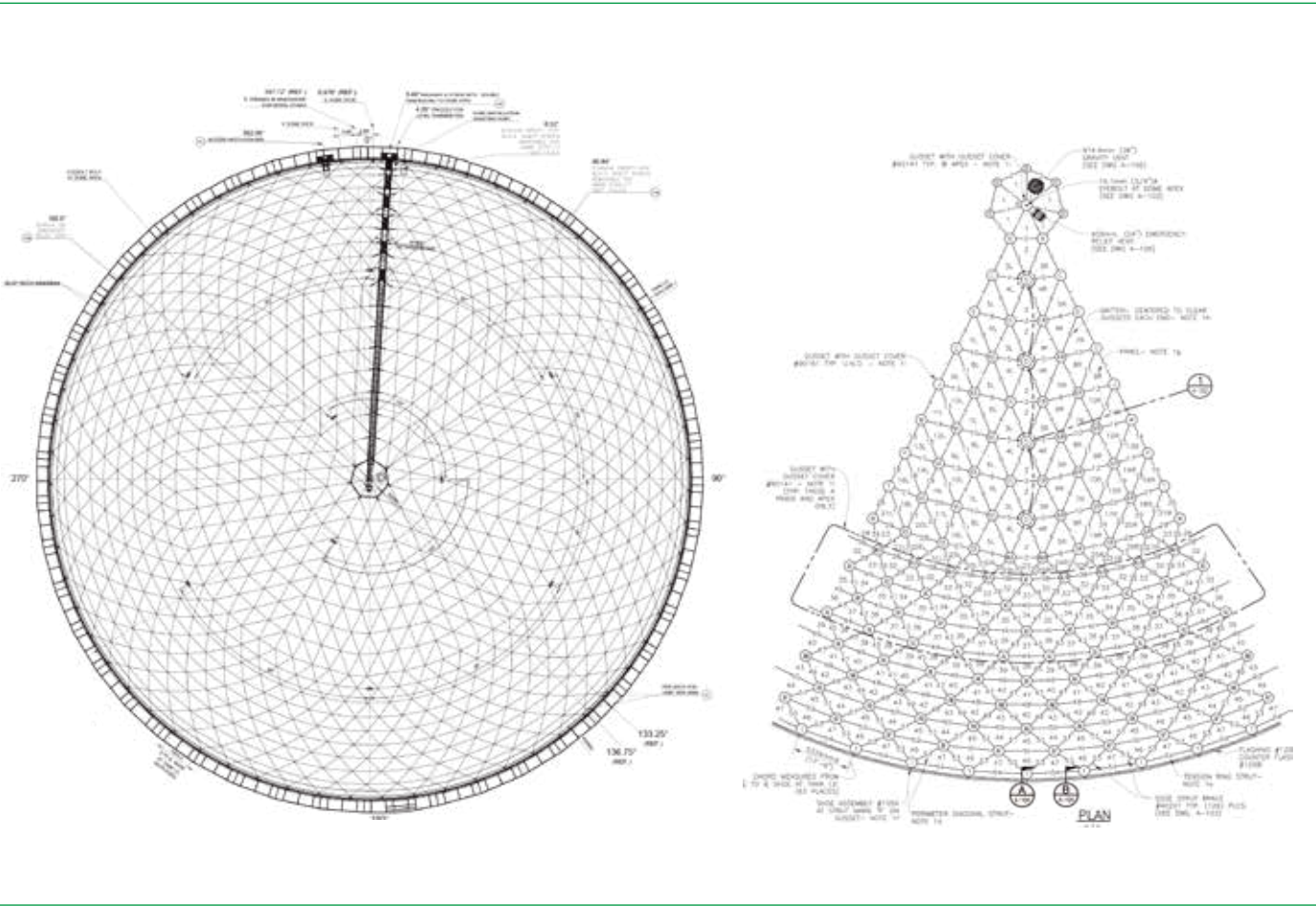


Business Area

STORAGE TANK EPC  
(Engineering, Procurement, Construction)

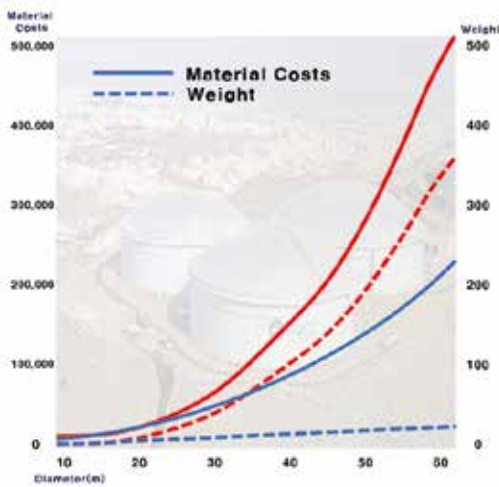
We excel as a competitive EPC contractor specializing in Aluminum Dome Roofs for storage tanks, leveraging our extensive experience and innovative approaches.

Aluminum Dome Roofs have increasingly become the preferred choice over Steel Cone Roofs due to their functional advantages, cost-effectiveness, and aesthetic appeal. Storage tanks play a vital role in the safe storage, transportation, and distribution of a wide array of materials, including water, petroleum, gases, and chemicals. As a dedicated EPC contractor for Aluminum Dome Roof systems, we prioritize cost-efficiency, safety, environmental sustainability, and operational effectiveness.



This combines ecological aspects with economic benefits as it prevents the contamination of the storage product by e.g. rainwater, sand and other foreign matters, and reduces evaporation loss caused by wind or direct exposure to sunlight

SELF-SUPPORTING ALUMINIUM DOME ROOF is designed as a self-supporting dome roof whereby only its outer edge is connected to the tank shell around the outer rim. Central struts, which would have to pass through erected floating roofs or decks and which would diminish the efficiency of these systems, are no longer required. This advanced constructional design results in an important reduction of evaporation loss



The weight of a ALUMINIUM DOME ROOF is only 10–15% of a comparable, self-supporting steel roof. The system therefore offers a cost-optimised solution by saving the weight of the tank cover and is also suitable for the retrofitting of existing floating roof tanks, which are designed to function without a steel roof. The storage product is thus completely protected from contamination by rainwater as a malfunctioning of the floating roof drainage system is eliminated.

ALL structural components of the DOME are fabricated from highly-tensile aluminium alloys and possess excellent corrosion resistant features, especially in an aggressive humid or saline atmosphere. An additional protective coating is not required, even after decades of operation, as our aluminium constructions are designed to last as long as the tanks they are built on. This has been confirmed in the course of numerous tests in cooperation with internationally accepted research institutes of the aluminium industry. These features are derived from our track record covering more than 100 years of aluminium production and processing as well as the continuous further development of the single structural components.





## Business Area

# STORAGE TANK (WATER / OIL)

**Our numerous storage tanks in the Middle East are transforming life on the continent and in the desert.**

In the process of industrialization and urbanization, there is a growing need for large-scale water storage facilities. We, HamChang, are specialized in building water storage tanks at home and abroad which can supply fresh water produced in desalination plants to cities. In addition, Hamchang builds a variety of tanks for various purposes such as floating system tanks for oil storage etc. As the world highest EPC tank player, we have successfully been performing engineering and procurement, fabrication and erection with our original technology.



shell auto vertical welding



shell auto horizontalwelding



Process of Painting



Shell installation



Girder & Rafter installation



Shell auto welding

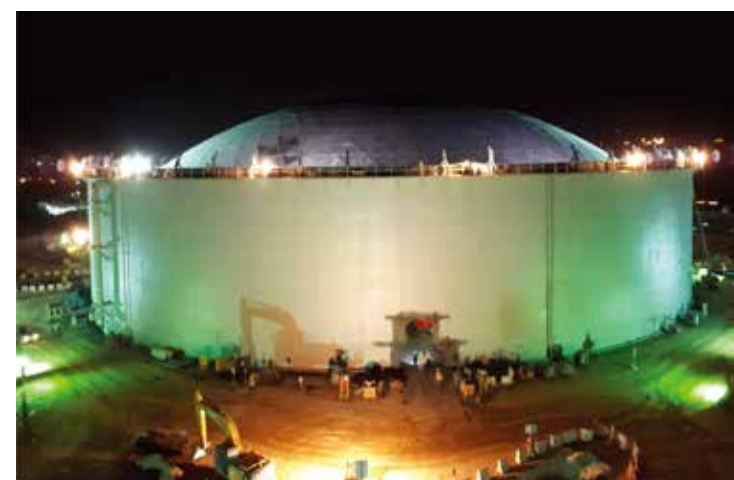
In order to build the large-scale storage tanks which can exceed 100 meters in diameter, potable fabrication & painting shop is set up at the site to build high quality tanks within shortened construction periods.

## Business Area - STORAGE TANK

HamChang is one of the leading storage tank constructors in the world.

### Major Projects

- Yanbu Ph.4 IWP Project in K.S.A  
Steel tank : 150,000m<sup>3</sup> x 6units / Scope : Fabrication and erection of potable water storage tanks assembly and installation of Six Cone Roof
- Shuqaiq Water Transmission System Ph.3 Project in K.S.A.  
Steel tank : total 1,058,000m<sup>3</sup> / 25units / Scope: Mechanical work with assembly & installation of aluminum Dome roofs
- Shoaiba Tank Farm Ph.4 Project in K.S.A.  
Steel tank : 140,000m<sup>3</sup> x 5units / Scope: Mechanical work with assembly & installation of aluminum Dome roofs
- Riyadh TGE Steel Tanks Project in K.S.A.  
Steel tank : 170,000m<sup>3</sup> x 6units / Scope: Mechanical work with assembly & installation of aluminum dome roofs
- Riyadh Water Transmission System Project, Ras Al Khair in K.S.A.  
Steel tank : 140,000m<sup>3</sup> x 7units / Scope: Mechanical work
- Makkah Steel Tanks of Water Project in K.S.A.  
Steel tank : 140,000m<sup>3</sup> x 4units / Scope: Mechanical work
- Shuweihat Ph.2 (S-2) Seawater Desalination Plant Project in U.A.E.  
Steel tank : 90,000m<sup>3</sup> x 6units / Scope: Mechanical work
- Potable Water Storage Tank for SWCC  
Water Transmission System Project in K.S.A. / Steel tank : 140,000m<sup>3</sup> x 4units / Scope: Mechanical work
- Shuaibah IWPP Desalination Plant Project in K.S.A.  
Steel tank : 172,000m<sup>3</sup> x 6units / Scope: Mechanical work





## Business Area

# INDUSTRIAL FACILITIES

**With superior technology and a passion for creativity,  
we are challenging the future for the benefit of people.**

The casting and forging industry is a root industry that processes metals to make certain shapes or products to provide industries from manufacturing to shipbuilding, IT, petrochemical and marine plant industries. We at Hamchang have been recognized for our construction capabilities in the field of casting and forging plant machinery, and are currently participating in large-scale casting and forging plant construction in the Middle East.

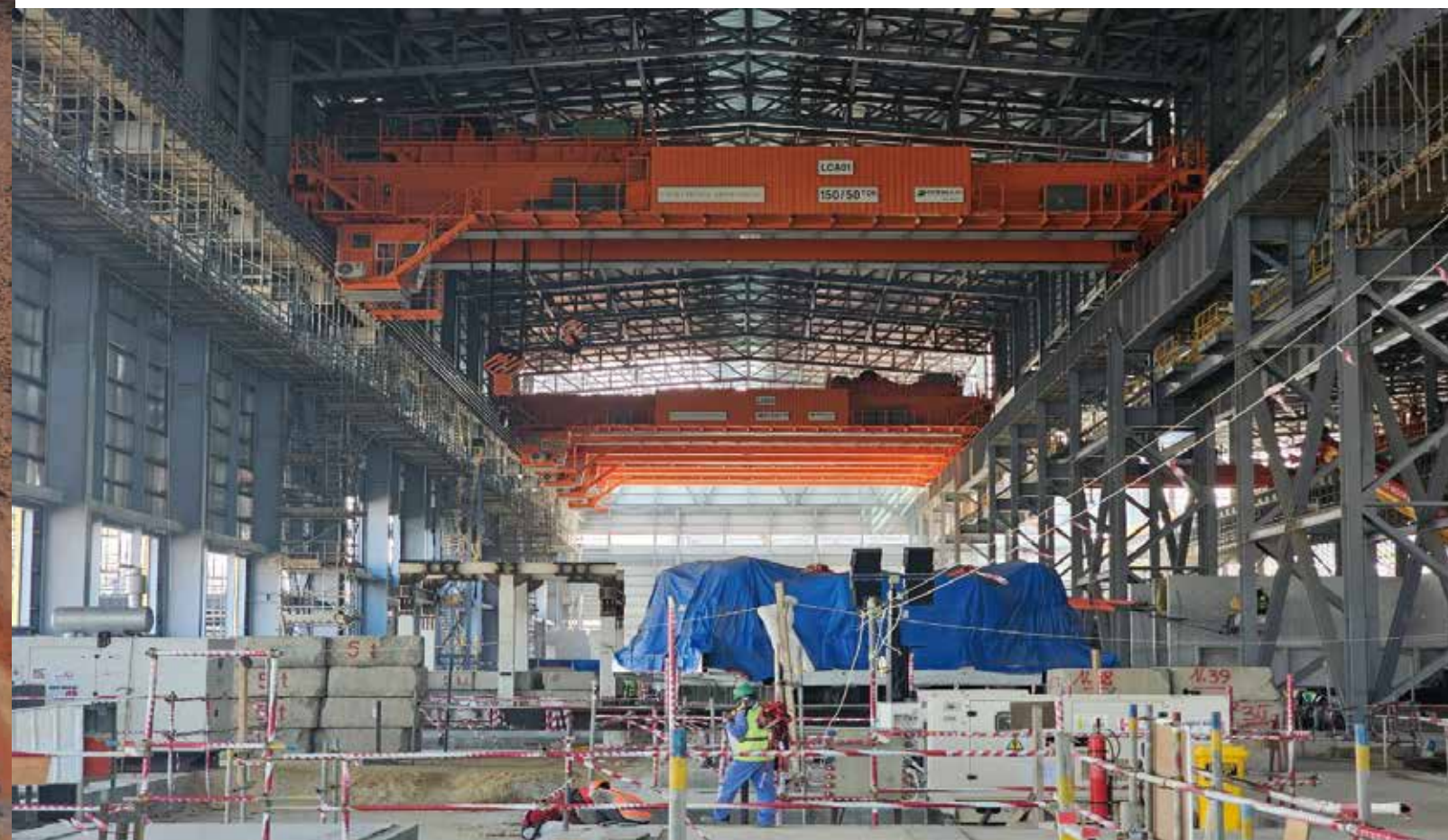


## Business Area - INDUSTRIAL FACILITIES

For a better world, human, Environment and Technology

### Major Projects

- Tuwaiq Casting and Forging Facility in Ras Al Khair  
Q'ty : 30,670.5 ton (Mechanical) / 66,864 DI (Piping)
- Pumping Station for Shuqaiq Phase 3 WTS  
Installation Q'ty / 88,504 DI (Piping)
- Al Ansab STP & Azaiba CPS Phase 2 Project in Oman  
Electromechanical Work / Capacity : 125,000ton/day





# POWER PLANT

**Our plants are to create the important energy resources for humanity and to make a better world.**

HamChang has had more than 10 years of experience for electromechanical works in the power plant sector and we are now using this expertise to spread around the world.  
HamChang's power plants stand for extremely high efficiency levels, low emissions and state-of-the-art technology.  
We promise a better quality of life for the present and future generation.

## Business Area - POWER PLANT

### Major Projects

- Yanbu Phase 3 Pk'g "D" Project - Aux. Boiler in K.S.A.  
Electromechanical Work / Aux. Boiler x 2units
- Taweelah B independent Water and Power Project in U.A.E.  
Electromechanical Work / Output : 1,120MW, HRSG x 3units
- Al Ezzel Combined Cycle Power Plant Project in Bahrain  
Electromechanical Work / Output : 1,000MW, HRSG x 4units
- Saudi Aramco Third Party Co - Generation  
Program Project in Shedgem, K.S.A.  
Mechanical Work / Output : 310MW, HRSG x 2units & GT x 2units
- Saudi Aramco Third Party Co - Generation  
Program Project in Uthmaniyah, K.S.A.  
Mechanical Work / Output : 310MW, HRSG x 2units & GT x 2units

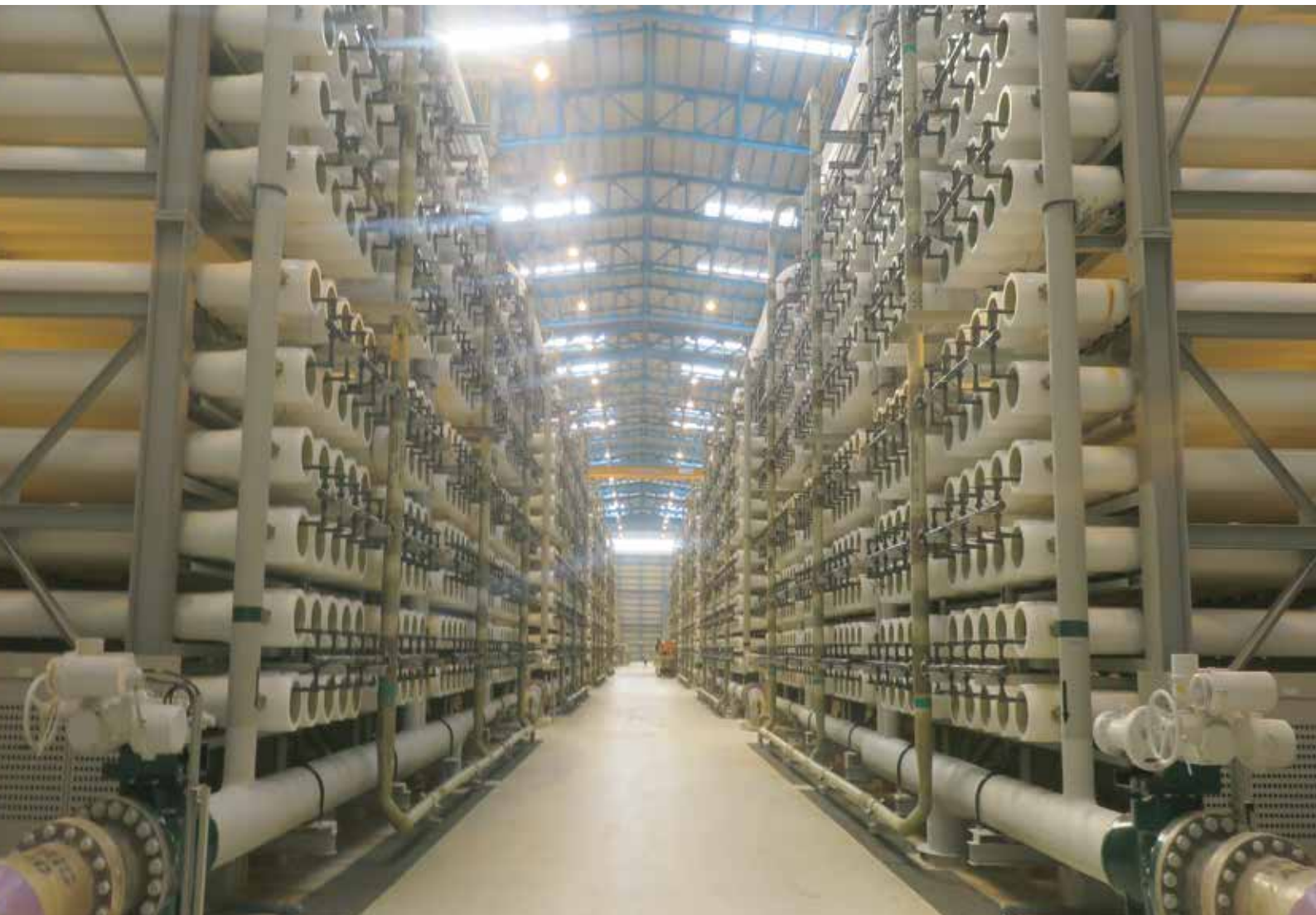




# DESALINATION PLANT

**We have delivered world's largest desalination plant through advanced technologies.**

The world is in need of fresh water. Roughly 80% of people around the world live no further than 60 miles from coast, so using seawater is an obvious solution to the lack of fresh water we face. Providing our technology to construct for desalination plant, HamChang solves the problems in the world. That's what motivates us to continually deliver outstanding performance to our customers. HamChang is one of the top construction companies who can do electromechanical erection works for three types of desalination plant(MSF\*, MED\*, RO\*) in the world.



## Business Area - DESALINATION PLANT

HamChang contributes to supply sufficient water resources.

### Major Projects

- Shoaiba RO Ph4 Desalination Plant Project in K.S.A.  
Electromechanical Work / Capacity : 88 MIGD(RO)
- Yanbu Ph.3 PK'g "D" MSF Desalination Project in K.S.A.  
Electromechanical Work / Capacity : 121 MIGD(MSF)
- Ras Al Khair MSF Desalination Plant Ph.1 in K.S.A.  
Mechanical Work / Capacity : 158 MIGD(MSF)
- Marafiq MED Plant Extension Project in K.S.A.  
Electromechanical Work / Capacity : 12 MIGD(MED)
- Yanbu MED Expansion Ph.2 Desalination Plant in K.S.A.  
Electromechanical Work / Capacity : 15 MIGD(MED)
- Shuweihat Ph.2 (S-2) Seawater Desalination Plant Project in U.A.E.  
Mechanical Work / Capacity : 100 MIGD(MSF)
- Shuaibah IWPP Expansion Project in K.S.A.  
Electromechanical Work / Capacity : 33 MIGD(RO)
- Shuaibah IWPP Desalination Plant Project in K.S.A.  
Electromechanical Work / Capacity : 200 MIGD(MSF)

\* MIGD(Million Imperial Gallons per Day) : 1MIGD = 4,546ton  
1MIGD = Water capacity for daily consumption of 11,000 people





# HamChang Equipment

**We can construct 20 tanks, each simultaneously.**

**with a capacity of 140,000m<sup>3</sup>,**



**70t Bending Machine**



**45t Bending Machine**



**Vertical / Horizontal / Bottom Auto—Welding Machine 60EA**



**40t Bending Machine**



**Short Blasting Machine**



**Total 3000KVA Generator**



**Zig 200T**



# HamChang Equipment

• 50 ton crane . . . . .	1EA
• 30 ton crane . . . . .	1EA
• 16 ton forklift . . . . .	1EA
• 9 ton forklift . . . . .	2EA
• 3 ton forklift . . . . .	1EA
• 10ton boomtruck . . . . .	1EA
• 7ton boomtruck . . . . .	1EA
• bobcat . . . . .	8EA
• 500kva Generator . . . . .	4EA
• 435 CFM Air Compressor . . . . .	14EA
• Auto Blasting Machine . . . . .	4EA
• Bending Machine . . . . .	3EA
• Vertical Auto Weldig Machine . . . . .	10EA
• Horizontal Auto Welding Machine . . . . .	46EA
• Bottom Auto Welding Machine . . . . .	4EA
• CO2 Welding Machine . . . . .	212EA
• Arc Welding Machine . . . . .	64EA
• Arc Welding Machine(Portable) . . . . .	10EA
• Tig & Arc Weldig Machine(Portable/Miller) . . . . .	31EA
• Tig & Arc Weldig Machine(380V,500A/ECHO) . . . . .	19EA
• Gauging Machine . . . . .	11EA
• Auto Cutting Machine . . . . .	18EA
• Auto Pipe Cutting Machine . . . . .	4EA
• Hydraulic Punching machine . . . . .	5EA
• Welding Rod Dry Oven . . . . .	6EA
• Manual Blasting Machine . . . . .	7EA
• Spray Paint Machine . . . . .	24EA
• Water Pump . . . . .	2EA
• Wind Girder Steel Plate . . . . .	355EA
• Election Zig & ETC . . . . .	51511EA

# HamChang Facility-Camp

Camp Facility Accomodation upto 1,000 people.

