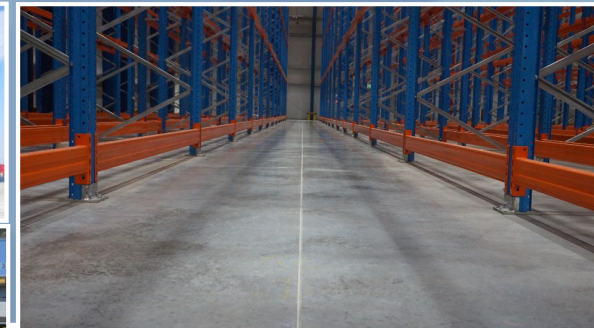


## Presentation for Logistics Activities





## Who we are - Company Profile

- Complete Design
- Full Responsibility
- Design Guarantee

## Our Services

- Preliminary Design
- Detailed Design
- Project Management
- Project Management of Special Equipment
- Commissioning Management

## Our Team

## Our Certificate

## Our Clients

## Reference Projects

# Company Profile Who we are...





**ibls** has acquired **extensive experience** in Industrial Buildings, Logistics Centers & Logistics Villages Design, which has been transformed into a reliable methodology for the Investment Projects of our clients.

**We** can provide **Complete Solutions** for the **Design, Procurement** and **Project Management** of Logistics & Industrial Development Projects.

IBLS has built **long term relationships** with key Clients, through Experience, Skill, **Team work**.

We have recently completed projects in **South Europe, Qatar & Saudi Arabia**

Concerning

Logistics Warehouses

Logistics Villages

Industrial Buildings

Commercial Buildings



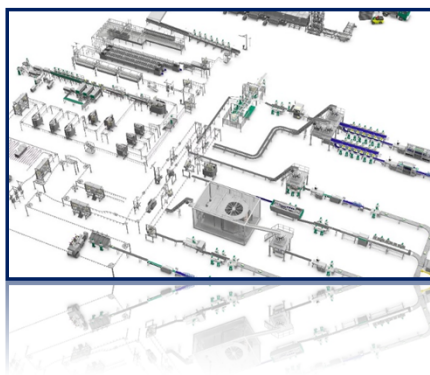


**ibls** possesses the methodology and experience for the **design** and the **installation / construction** of special facilities.

Logistics Automation  
Systems



Production Lines  
in Food Industries



Industrial Refrigeration  
Systems & HVAC



Power Production  
Systems



Slab on Grade, Super Flat  
Floors



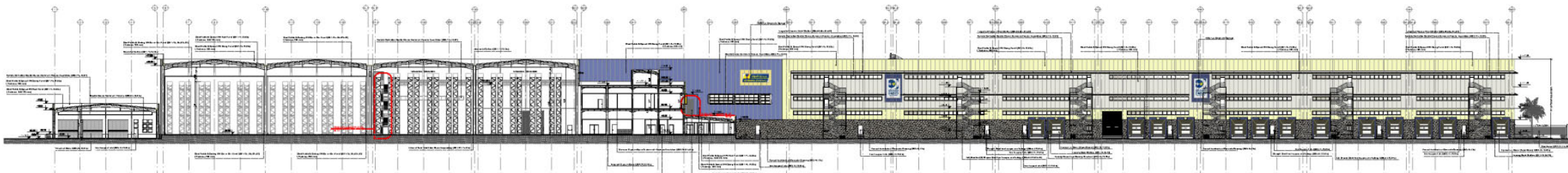
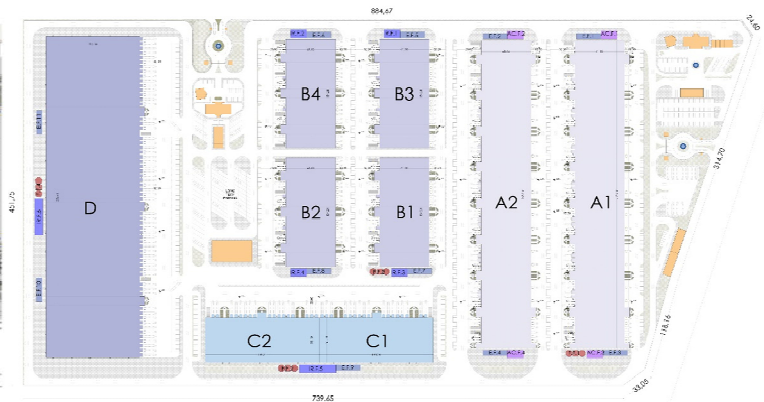
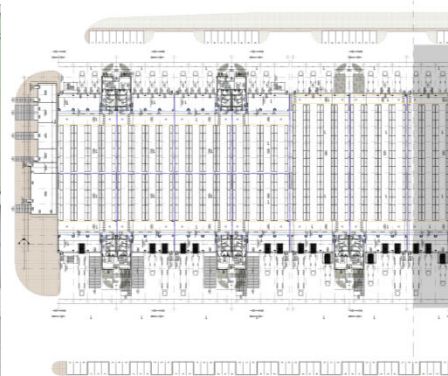
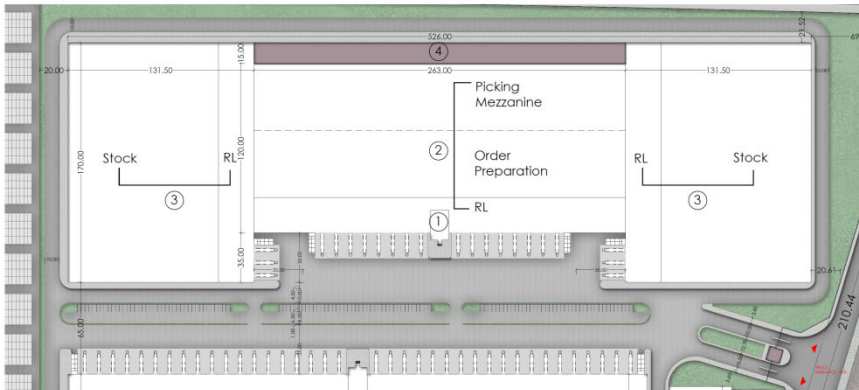
ESFR Systems  
(Early Suppression, Fast Response Sprinklers)



Special Equipment



1. Requirement Analysis
2. Building Concept
3. Master Plan
4. Activities & Equipment





The best possible **understanding of the client's needs**, the systematic **mapping** of the current and the anticipation of any future requirements, as well as the incorporation of the works into the general context of **modern techniques and solutions** constitute a presupposition for success:

Proper design takes place **from the inside out**; from the **Product & SKU** and the current **activities** on the **Production & Stock** inside the building.



For this reason, IBLS begins each Project with the **Diagnostic Study & Requirement Analysis** (Stock Data Organization & Analysis, Production & Storage Calculation Model) to conclude on the proposed operational arrangements and the Building Concept.



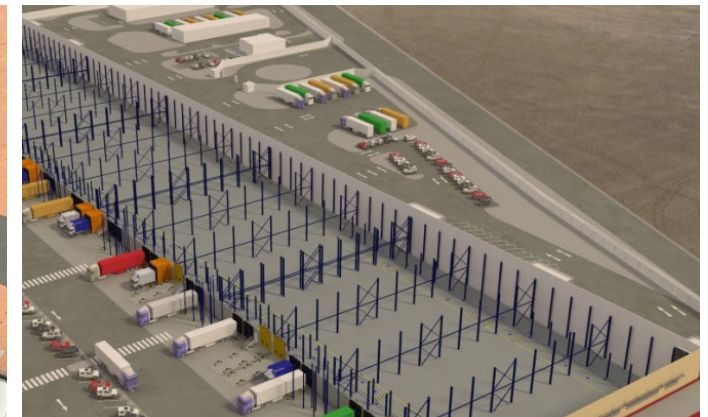
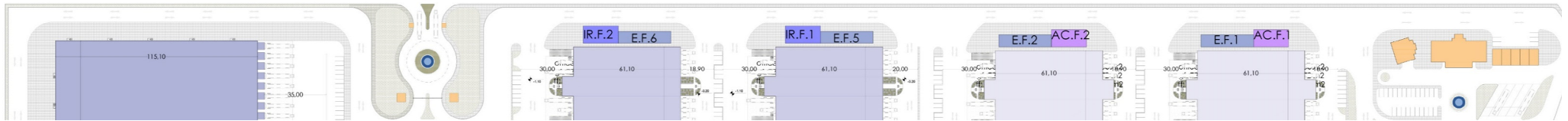
The building under design shall adapt to the **current stock & production needs and not vice versa**. Such requirements relate to the following:

- Maximum Storage volume of building
- Optimum flow of goods in the production process
- Flexibility of racking arrangement with variable aisle positions
- Size flexibility of all functional areas (RL, Cross Docking Area, Added Value Area)





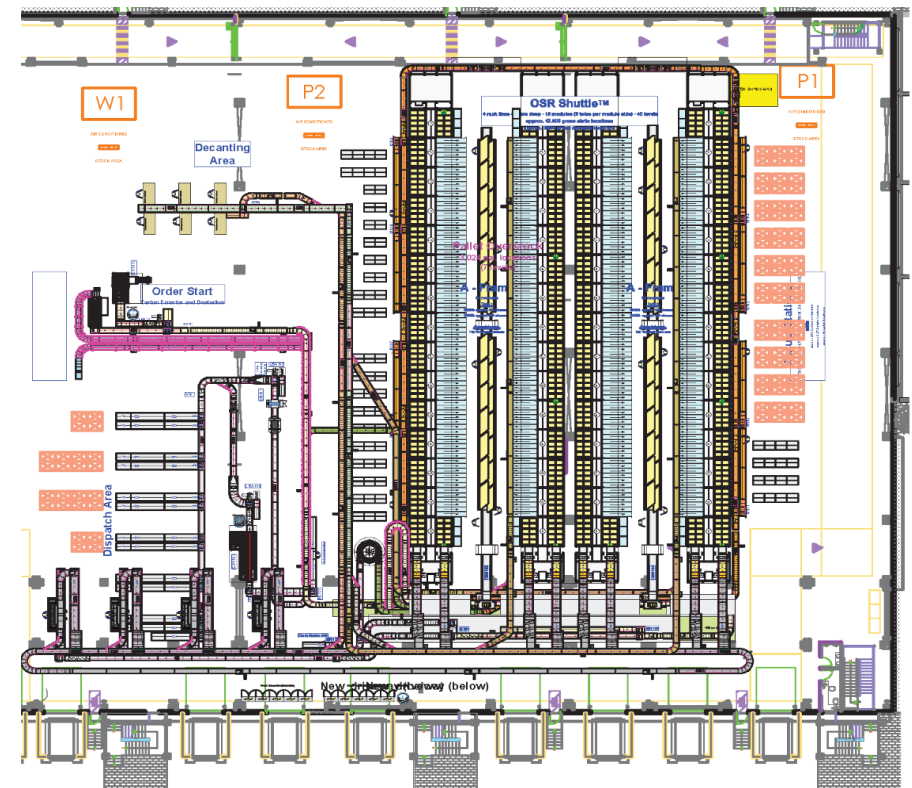
Design includes **full utilization of available terrain** and construction of the project in phases, in order for a possible future plant expansion to be optimum from a financial, technical and operational point of view.





## Presentation and **selection** among the most up to date **methods and equipment** in **Logistics Center operation**:

- Racks
- Material Handling Equipment
- Automations Systems and
- Warehouse Management Systems & Activities





Proper design is accompanied by the assumption of responsibility for all installation studies, along with budgeting and licensing of the project, as well as construction supervision up to the delivery and operation of the project by the client:

- ✓ **Responsibility Assumption by a single Manager** regarding communication with the client for all technical, economical and operational issues that may arise
- ✓ **Management Information System** regarding administration and support of the design, the communications protocol and quality assurance **(QA/QC)**

# Management Information System of **ibls** - Summary of Engineer / Document Pending

MIS - HOME PAGE x

mis.ibls.gr/appMain.php?appPage=MainMIS

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Home Page **ibls** INDUSTRIAL BUILDINGS & LOGISTICS SOLUTIONS **IBLS** **MANOLAS IOANNIS**

Summary Of: **311 - MANOLAS IOANNIS**

DOCUMENTS PENDING ISSUES RUNNING

Search: GO

...	RC	Date	Protocol	Pr.No	Operator	In/Out	Settlement	From/To	Person	Concerns
	32585	14/10/16	D.002 - ΔΙΟΙΚΗΤ...	806	311 - MANOLAS I...	INTERN...	00203 - ΣΥΝΤΑΞ...	IBLS SA	MANOLAS CHRIS...	ΣΤΟΙΧΕΙΑ ΑΠΟΤΙ...
	32290	09/09/16	C.516 - FARJALLA...	100	311 - MANOLAS I...	INTERN...	51600 - COOPER...	FARJALLAH GRO...	SALAMEH WISSAM	COMPANIES COC
	32220	26/08/16	C.032 - ALMAND...	743	311 - MANOLAS I...	INTERN...	03201 - ΜΟΝΑΔΑ...	ALMANDA A.E	ΜΑΓΚΟΥΤΑΣ ΙΩΑ...	ΟΡΓΑΝΩΣΗ ΚΑΙ ..
	32106	21/07/16	C.550 - IRAN PR...	3	311 - MANOLAS I...	INTERN...	55000 - NEW PR...	IBLS SA	MANOLAS CHRIS...	ΕΝΗΜΕΡΩΣΗ ΕΜ.
	31031	18/02/16	C.525 - MAN ENT...	38	311 - MANOLAS I...	INTERN...	52501 - LOGISTI...	MAN ENTERPRIS...	MATAR MELHEM	FIRE SUPPRESSI.
	30840	27/01/16	C.511 - AL DAWA...	680	311 - MANOLAS I...	INTERN...	51101 - PLANNIN...	WPL - WAREHOU...	MANSOOR AL SU...	SITE VISITS AND
	30368	09/11/15	C.701 - NEWACO ...	3	311 - MANOLAS I...	INTERN...	70101 - COLD ST...	NEWACO GRUPO ...	LALANI PRAYESH	QUOTATION FOR
	28745	24/02/15	C.526 - ALI BIN ALI	2	311 - MANOLAS I...	INTERN...	52601 - LOGISTI...	ALI BIN ALI GROUP	MAGDY GABRIEL	COMMERCIAL & .
	28739	22/02/15	C.526 - ALI BIN ALI	1	311 - MANOLAS I...	INTERN...	52601 - LOGISTI...	ALI BIN ALI GROUP	ALI BIN ALI NAB...	COMMERCIAL & .
	27921	13/11/14	C.511 - AL DAWA...	382	311 - MANOLAS I...	INTERN...	51101 - PLANNIN...	ZAMIL GROUP	JARDALI FADI	INVITED TO PAR
	27880	22/10/14	C.511 - AL DAWA...	379	311 - MANOLAS I...	INTERN...	51103 - KAEC	WPL - WAREHOU...	MANSOOR AL SU...	TECHNICAL AND
	27773	08/10/14	D.010 - (A) DEPA...	815	311 - MANOLAS I...	INTERN...	01005 - ORGANI...	IBLS SA	MANOLAS CHRIS...	ΑΠΟΤΙΜΗΣΗ & Σ
	27745	03/10/14	C.511 - AL DAWA...	373	311 - MANOLAS I...	INTERN...	51100 - SAUDI G...	WPL - WAREHOU...	MANSOOR AL SU...	TECHNICAL AND
	27625	16/09/14	C.066 - ΚΟΥΦΕΤ...	645	311 - MANOLAS I...	INTERN...	06601 - ΒΙΟΜΗΧ...	ΚΟΥΦΕΤΟΠΟΙΙΑ ...	XATZHFIANNAKH...	ΔΙΑΧΕΙΡΙΣΗ LOG.
	27614	13/09/14	C.501 - AL JABER...	302	311 - MANOLAS I...	INTERN...	50101 - CP65 AIR...	AL JABER TRADI...	HANNA BESHOU	CP 65 VALUATIO
	27522	27/08/14	D.010 - (A) DEPA...		311 - MANOLAS I...	INTERN...	01001 - ΔΙΕΥΘΥΝ...	IBLS SA	MANOLAS CHRIS...	
	27059	12/06/14	C.511 - AL DAWA...	301	311 - MANOLAS I...	INTERN...	51101 - PLANNIN...	YOUSSEF MARRO...	MAROON YOUSSEF	INVITATION TO .
	27058	12/06/14	C.511 - AL DAWA...	300	311 - MANOLAS I...	INTERN...	51101 - PLANNIN...	ZAMIL STEEL HO...	SAMIR ALY MOH...	INVITATION TO .
	27056	12/06/14	C.511 - AL DAWA...	299	311 - MANOLAS I...	INTERN...	51101 - PLANNIN...	SAUDI CYPRIAN ...	AVRAAMIDES KY...	INVITATION TO .

RC::27059 INVITATION TO PARTICIPATE

Communication Form

Protocol: C.511 - AL DAWAA MEDICAL SERVICES CO. LTD Prt.No.: 0301

Ref. Code: 27059 Operator: 311 MANOLAS IOANNIS

Company: YOUSSEF MARROUN CONT Co.

Status: RUN Type: INTERNAL

Subj.(Issue): Iss (C.511,0305) 51101-EC10.02 - PREQUALIFICATION PROCESS (PQP)

Concerns: INVITATION TO PARTICIPATE

Comments:

Receivers

Name	Email	Cc/Bcc
MAROON YOUSSEF	info@ymco.sa / youssef@ymco.sa	To
MANSOOR AL SUBAIE ABDULAZIZ	amz.alsubaie@wpl.com.sa; amz.alsubaie@alm...	Cc
IRSHAD MOHAMED	m.irshad@wpl.com.sa	Cc
BERLIS IOANNIS	iberlis@ibls.gr	Cc
MARKETIS NIKOLAOS	nikos@osisgroup.com	Cc

Attached / Linked Files

# Management Information System of **ibls** - Services / Sub Category

MIS - HOME PAGE x Companies x Template Services x

mis.ibls.gr/appMain.php?appPage=TplServices

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Template Services **ibls** INDUSTRIAL BUILDINGS & LOGISTICS SOLUTIONS **IBLS** **MANOLAS IOANNIS**

Search: [ ]

S	Code - Description	Manager	Type
✓	1. REQUIREMENT ANALYSIS AND CONCEPTUAL DESIGN		
✓	A. REQUIREMENT ANALYSIS & CONCEPTUAL DESIGN		
✓	2. SCHEMATIC - PRELIMINARY DESIGN (IFA 30)		
✓	B. PRELIMINARY DESIGN & PROJECT ANALYSIS		
✓	C. BUSINESS PLAN TECHNICAL DOCUMENTATION		
✓	3. DETAILED DESIGN (IFA 60)		
✓	D. DETAILED DESIGN [MASTER FORMAT]		
✓	4. PROJECT MANAGEMENT & CUSTOMER SUPPORT		
✓	E. PROJECT MANAGEMENT		

Search: [ ]

S	Code - Description	Manager	Type
✓	DF26-01 @ DETAILED DESIGN MANAGEMENT	315 - MONACHOS KO...	
✓	DF26-02 @ GENERAL ITEM LIST - TABLE OF ARTICLES	315 - MONACHOS KO...	
✓	DF26-03 @ DESIGN TIME SCHEDULE	315 - MONACHOS KO...	
✓	DF26-04 @ TESTING & COMMISSIONING SCHEDULES	315 - MONACHOS KO...	
✓	DF26-05 @ CALCULATION REPORTS	315 - MONACHOS KO...	
✓	DF26-10 @ BILL OF QUANTITIES (BOQ)	315 - MONACHOS KO...	
✓	DF26-21 @ DRAWINGS	315 - MONACHOS KO...	
✓	DF26-22 @ TECHNICAL SPECIFICATIONS	315 - MONACHOS KO...	
✓	DF26-23 @ MATERIAL DATA SHEETS & BROCHURES	315 - MONACHOS KO...	
✓	DF26-24 @ METHOD STATEMENT	315 - MONACHOS KO...	
✓	DF26-96 @ ELECTRICAL PANELBOARDS AND UNINTERRU...	315 - MONACHOS KO...	
✓	DF26-97 @ EARTHING & LIGHTNING PROTECTION SYST...	315 - MONACHOS KO...	

Deliverable: DF26-21 @ DRAWINGS

Home Folder Download File Manager Athens

Name	Last Modified
No files	

Details

PROJECTS DESCRIPTION

Search: [ ] Go To Issue

RecDescr

18001-DF26.21 - @ DRAWINGS

Iss (C.180,0024) - ΣΧΕΔΙΑ ΕΡΓΟΥ

C.511 - AL DAWAA MEDICAL SERVICES CO. LTD

51101 - PLANNING, DESIGN, PM & Cx WAREHOUSE RIYADH & JEDDAH

51101-DF26.21 - @ DRAWINGS

Iss (C.511,0465) - ELECTRICAL PANELBOARDS AND UNINTERRUPTIBLE POWER SUPPLY

Iss (C.511,0466) - EARTHING & LIGHTNING PROTECTION SYSTEM DESIGN DRAWINGS

Iss (C.511,0458) - UTILITY GRID CONNECTION & MAIN DISTRIBUTION INSTALLATION

Iss (C.511,0451) - ARTIFICIAL LIGHTING INSTALLATION DESIGN DRAWINGS

Iss (C.511,1380) - REVISION FOR AUTOMATION SYSTEMS

Iss (C.511,1415) - LIGHTING DESIGN REVISION FOR AUTOMATION SYSTEMS

Iss (C.511,1441) - LIGHTING CONTROL DIAGRAMS

Iss (C.511,1472) - DRY STORAGE LIGHTING DRAWINGS

Iss (C.511,1477) - ELECTRICAL PANELBOARDS AND UNINTERRUPTIBLE POWER SUPPLY

Iss (C.511,1478) - EARTHING & LIGHTNING PROTECTION SYSTEM DESIGN DRAWINGS

Issue Communications

Search: [ ] Communication Card

I	RC	Date	Description
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## **Integrated level of Quality and Technical Competence** for all parts of the design:

- ✓ Architectural & Civil Facilities
- ✓ Special Equipment & Special Installations
- ✓ Industrial Refrigeration Systems
- ✓ Mechanical Installations & Networks
- ✓ Electrical Installations
- ✓ Energy Systems
- ✓ Special Technical Services (3D - Model Building Design, Bill of Material Quantities, Building Permit etc.)

## **Project Management** following the Detailed Design Process and offering services that guarantee:

- ✓ Time Schedule Adherence
- ✓ Administration Quality Control
- ✓ Budget Management
- ✓ Site Administration
- ✓ Technical Management

# ibls,

certifies the technical sufficiency of all designs up to the amount of **3,000,000€** for individual buildings, with the ability to multiply this amount in case of large investment projects or Logistics Villages upon the client's request.

**ETHNIKI**  
FIRST IN INSURANCE

THIRD PARTY LIABILITY & SPECIAL RISKS DIVISION  
Ref No: 6254

Athens, 02/02/2018

## CERTIFICATE OF INSURANCE

This is to certify that **IB+LS Industrial Buildings And Logistics Solutions S.A** is covered by Ethniki Hellenic General Insurance Co. S.A. under a Professional Indemnity Insurance Policy, from 20/12/2017 to 19/12/2018, with **No 94410/8** and renewal **No 213029**, according to its terms, conditions and exclusions and up to the following limits:

### Limits of Liability

€ 3.000.000 any one claim

€ 3.000.000 in the aggregate for the entire policy period

The sole purpose of this Insurance Certificate is to state that there is Liability Insurance and does not substitute, alter, amend or change in any way the terms and conditions of the above mentioned policy.

FOR THE ETHNIKI  
HELLENIC GENERAL INSURANCE CO. S.A.

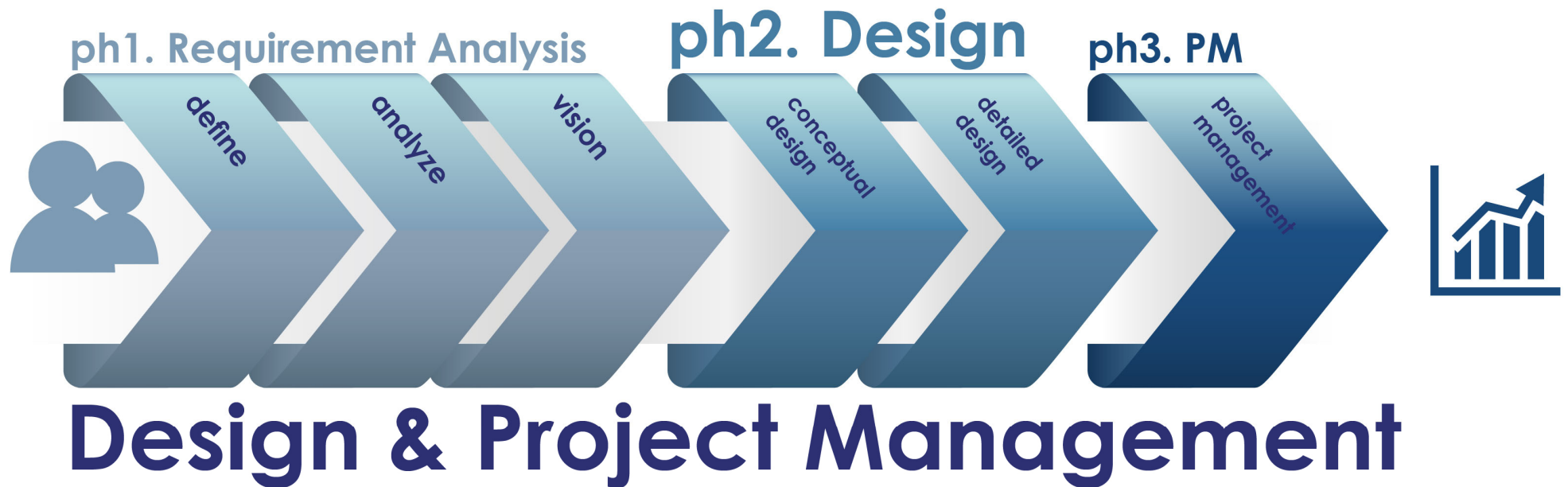
ΒΙΔΙΑΝΟΣ ΖΑΝΝΟΣ  
ΠΡΟΪΣΤΑΜΕΝΟΣ ΤΟΜΕΑ ΑΝΑΛΗΨΕΩΝ  
ΛΟΙΠΩΝ ΓΕΝΙΚΩΝ ΚΛΑΔΩΝ

Preliminary Design

Detailed Design

Project Management

Project Management of Special Equipment





**Diagnostic Study and Requirement Analysis** aim to **collect, organize, illustrate** and **present** all project requirements regarding the **Building Structure**, the **Electro-Mechanical Facilities**, the **Production Procedures**, the **Financial Restraints** and the **phases of Design & Construction**.

This section defines the contents of each stage of a project.

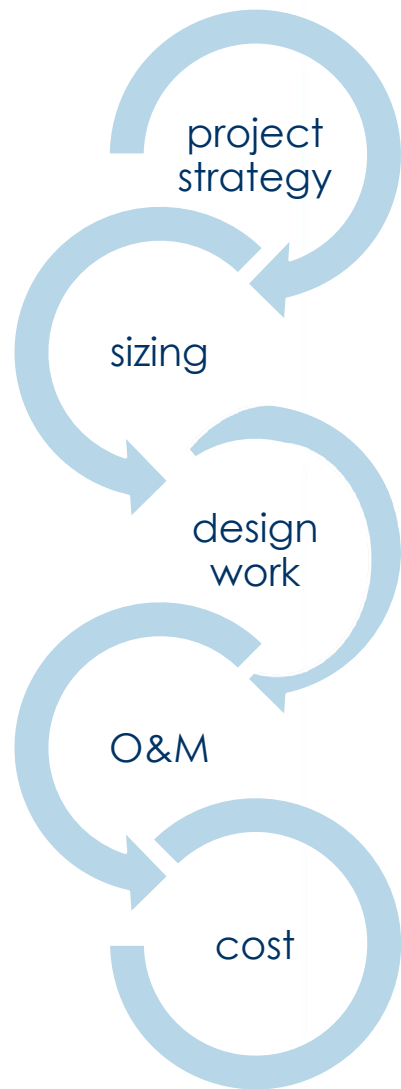
## Stages.

---

- **Data Collection & Organization of Project Design Standards**
- **Diagnostic Study & Market Research for Special Equipment Installations**
- **Building Concept Analysis, Development & Presentation**
- **Building Composition** (Drawings, Technical Specifications, Business Plan Budget)
- **Installation Approvals**
- **Business Technical Documentation**

This section consists of Detailed Design, Project Supervision, Licensing, Budget Creation, Tendering & Construction.

- **Design** (Excavation Works, Special Geological & Foundation Works, Structural Frame Construction, Architectural Facilities, Passive Fire Protection Installations, Floor & Equipment Installations, Office Layout Material Installations)
- **Special Equipment & Installations Design** (Signage Material Installations, Office Equipment Installations, Production Equipment Installations, Storage Management Equipment Installations, Railway Installations, Solid and Liquid Waste Management Installations)
- **Industrial Refrigeration Installation**
- **Mechanical Services & Networks Design**
- **Electrical Services Design**
- **Special Systems Design**
- **Renewable & Sustainable Energy Design**
- **Special Technical Design**



- Concept Design & **Project Strategies** in detailed form, character and function
- Finalization of all equipment and system **sizing**, as well as of all component materials
- Completion of all intermediate architectural and engineering **ibls design work** (incl. calculations, specifications, drawings, quantity takeoffs and descriptive information in sufficient detail) in compliance with the design brief, International Standards & Regulations and best practice
- All other activities receive input from and incorporate solutions for management, **operation, maintenance**, staffing, servicing, etc. ensuring that Client requirements are met
- Derivation of **Cost** Information



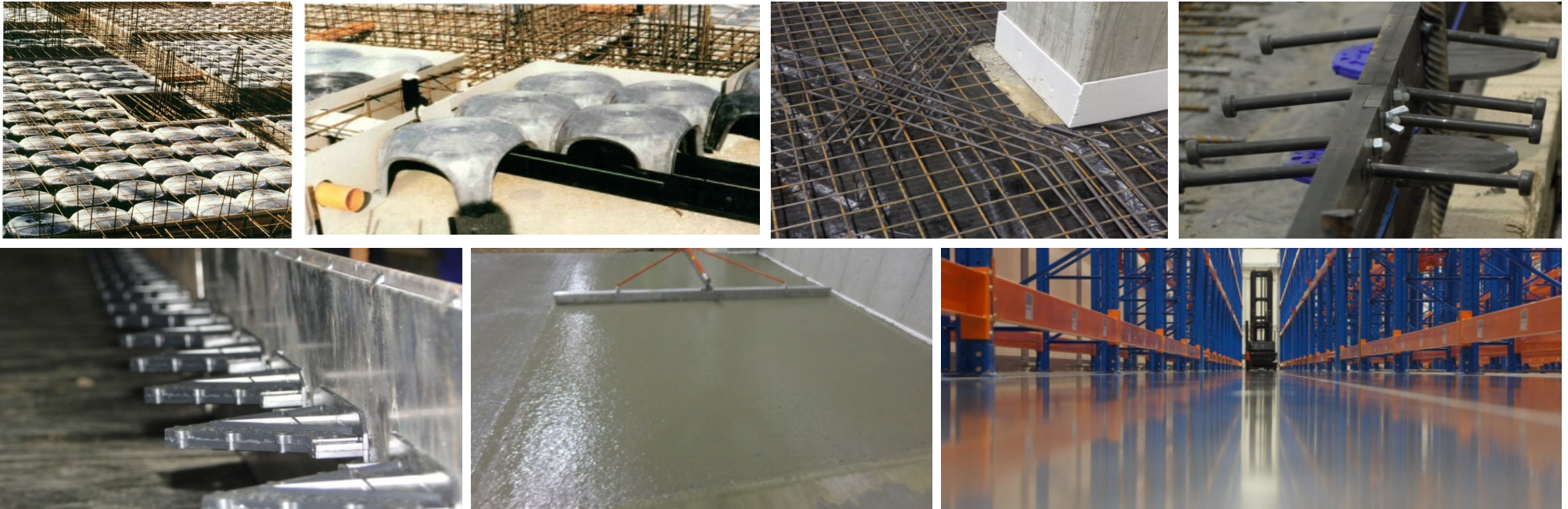
This section consists of the client's technical support with regard to the project's Execution Strategy, Technical Management & Construction Supervision and Project Management.

- **Project Tendering Process** (Offers Evaluation, Contractors Negotiation, Technical Contracts)
- **Technical Management & Project Supervision** (Construction Engineer Reports, Project Calendar Data Base, Project Photo Gallery, As Built Drawing, Safety Control)
- **Project Management** (General Administration, Communications & Issues Protocol, Project Management Schedule, Quality Control Project, Budget Management, Finance Program Management)
- **Commissioning Management & Facility Maintenance Management** (General System Startup, Testing & Commissioning, Start Up, Staff Selection & Training)

- **Industrial Refrigeration Systems** (IBLS has accumulated experience in large Industrial Refrigeration Plants at Refrigerated Storage Warehouses and Industrial Buildings)
- **Slab on Grade, Super - Flat Floors** (IBLS possesses extensive experience in planning, designing, supervising and managing industrial floor projects of large Logistics Centers and Industries)
- **ESFR (Early Suppression Fast Response) Fire Sprinkler Systems** (ESFR ceiling mounted sprinklers can be used in warehouses in place of in-rack fire sprinkler systems predominately used for the protection of High - Piled Storage. Storage arrangements may include palletized, solid pile, shelf, bin box or rack storage of materials)

## Design of Slab on Grade for Industrial & Logistics Buildings

ibls has designed more than 1,000,000 sqm of industrial floors...



## Active Fire Protection Systems (ESFR, In Rack)



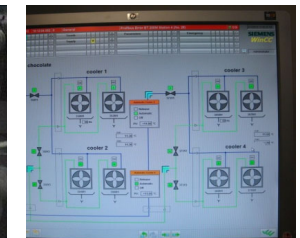


# Industrial Refrigeration Systems

## Heating, Ventilation and Air Conditioning Systems



- Industrial Refrigeration & Air Conditioning
- Positive & Negative temperature Cold Rooms
- Ripening & Maturation Rooms for Bananas, Citrus Fruits
- Control Atmosphere Rooms
- Food & Drink Processing Refrigeration Fast Cooling, Chilling, Blast Batch Freezing, IQF Freezing, Immersion Cooling & Freezing
- Refrigeration in Supermarkets
- Energy Management Systems associated to Refrigeration & Air Conditioning (Heat Reclaim, Electrical Consumption)
- Refrigeration & Air Conditioning Automation



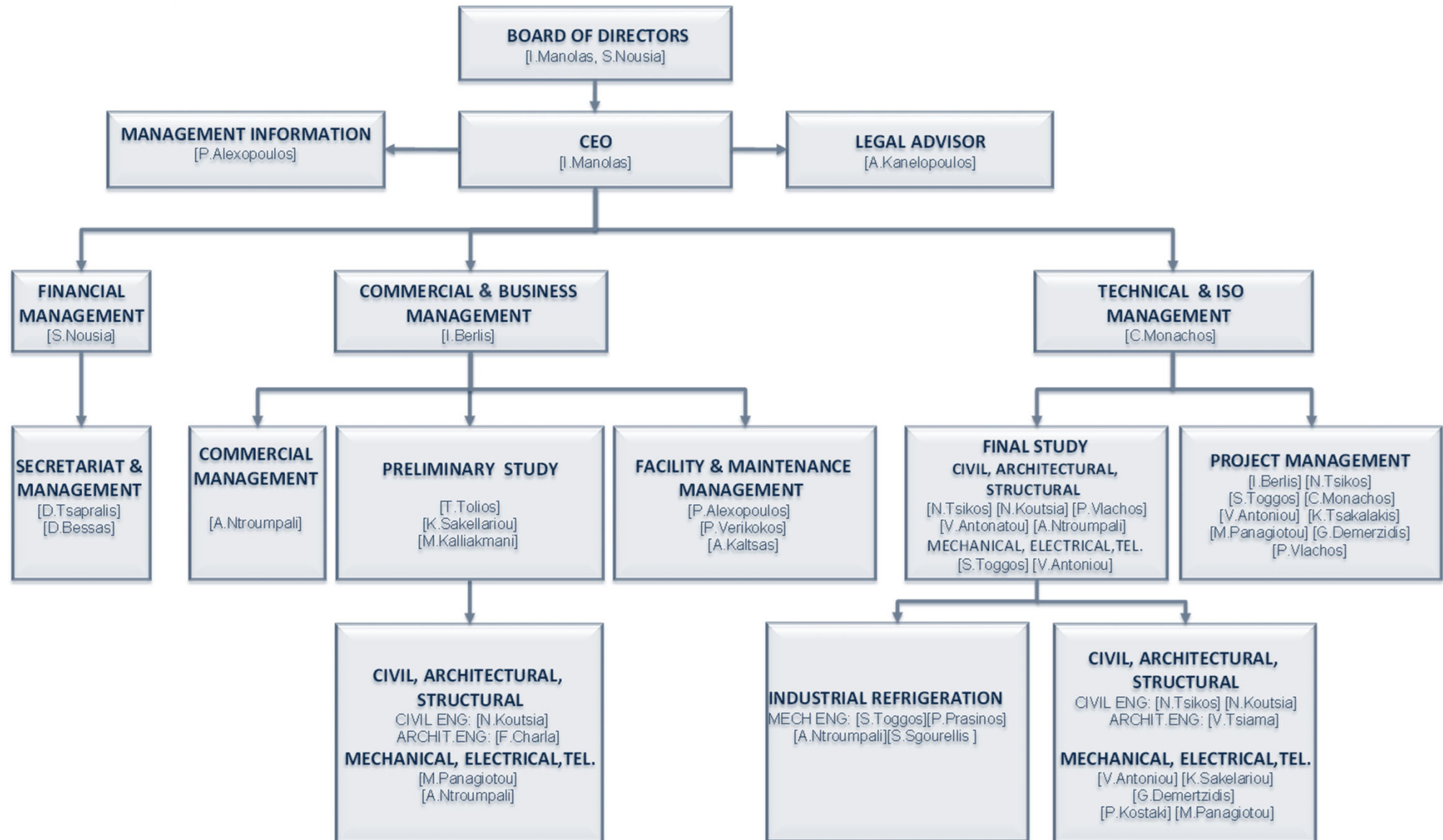
The commissioning process formalizes review and integration of all project expectations during **planning, design, construction, and occupancy phases** through inspection, functional performance, testing and supervision of operator training and record documentation.

- Ensures adherence to Health & Safety principles within the facility
- Optimizes energy use. Specifically the HVAC systems are adjusted to operate at optimum level reducing energy waste
- Reduces Operating and Maintenance costs
- Ensures adequate O&M staff orientation and training
- Improves installed building systems documentation
- Provides smooth integration of MEP services and delivers the project according to the Owner's requirements.



Our experience in Commissioning Services allows us to provide teams of high specialization that can be integrated into existing organizations. IBLS has alliance partners providing LEED certification, and TAB services in accordance with NEBB & CSA standards.

45 Engineers for all specialties •





# Our Certificate



## Certificate of Approval

This is to certify that the Management System of:

**IB + LS S.A.**

4, Evrou Str., Galatsi, 11147 Athens, Greece

has been approved by LRQA to the following standards:

ISO 9001:2015

Frederic Gaudin

Issued By: Hellenic Lloyd's S.A. for and on behalf of: Lloyd's Register Quality Assurance Ltd

Current Issue Date: 13 April 2017  
Expiry Date: 12 April 2020  
Certificate Identity Number: 10016640

Original Approvals:  
ISO 9001 – 21 March 2011

Approval Numbers: ISO 9001 – 00009720

The scope of this approval is applicable to:

Conceptual & Schematic Design, Construction Design and Project Management for Building Construction.  
Facility Maintenance Management. Provision of Consultancy Services for Logistics Centers. Provision of  
Commissioning Management Services.



001

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Issued By: Hellenic Lloyd's S.A., Hellenic Lloyd's S.A. 4th Floor, 40000 Pireas, Greece for and on behalf of: Lloyd's Register Quality Assurance Ltd, 9 Trinity Park, Seacroft Lane, Birmingham B37 7YU, United Kingdom

Page 1 of 1

# Our Clients



ABDULLAH ABDULGHANI & BROS. CO. W.L.L.



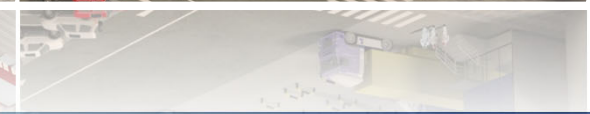
G.E.DIMITRIOU s.a



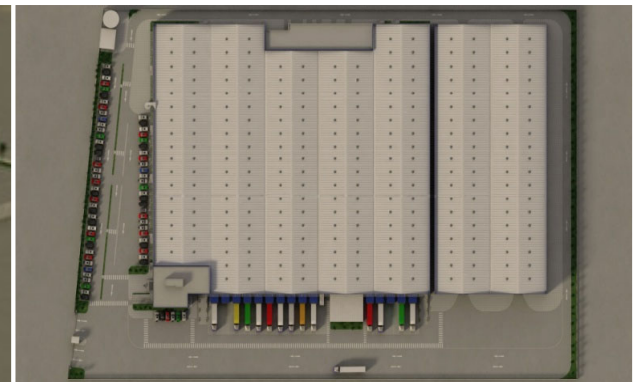
## Logistics & Supply Chain

- LOGISTICS PARK BOU FSILA - **ALI BIN ALI** – 155.000 sq m
- LOGISTICS PARK AT SOHAR FREE ZONE - **WPL** – 60.000 sq m
- COLD STORAGE PROJECT - **LOYALTY BUSINESS DEVELOPMENT & INVESTMENT** – 25.000 sq m
- STORAGE FACILITY AT ST. NO.2 - **GULF WAREHOUSING COMPANY** – 3.000 sq m
- PHARMACEUTICAL & DISTRIBUTION WAREHOUSE IN RIYADH - **AL DAWAA** - 30.000 sq m
- PHARMACEUTICAL & DISTRIBUTION WAREHOUSE IN JEDDAH - **AL DAWAA** - 45.000 sq m
- WAREHOUSE PARK AT KAEC - KING ABDULLAH ECONOMIC CITY INDUSTRIAL VALLEY – **WPL** – 49.000 sq m
- LOGISTICS CENTER SHK AW-LP-A-054 – **KHALID SHAREEF AL-EMADI Co** – 20.000 sq m
- LOGISTICS VILLAGE IN ATHENS - **TRANSCOMBI EXPRESS** – 100.000 sq m
- LOGISTICS VILLAGE- **PROLOGIS** – 200.000 sq m
- LOGISTICS CENTER - **OMEGA** – 11.000 sq m
- LOGISTICS CENTER - **TOYOTA MATERIAL HANDLING GREECE** – 4.000 sq m
- LOGISTICS CENTER – **FRESCO** – 12.000 sq m
- LOGISTICS CENTER – **SCONDO MARKER**– 4.000 sq m
- LOGISTICS CENTER – **F&B CASH&CARRY** – 5.000 sq m
- LOGISTICS CENTER – **CHOROCOM ATE**– 25.000 sq m
- LOGISTICS CENTER – **KUEHNE + NAGEL S.A** – 16.000 sq m















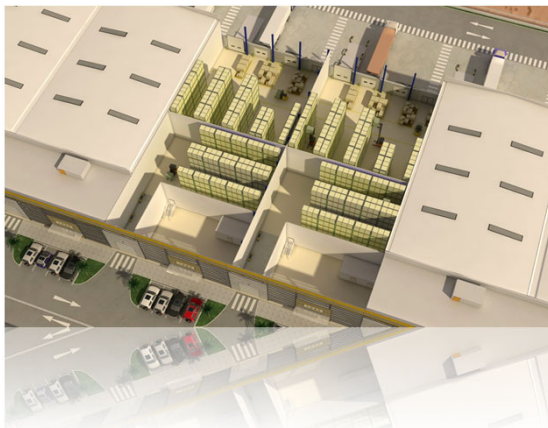
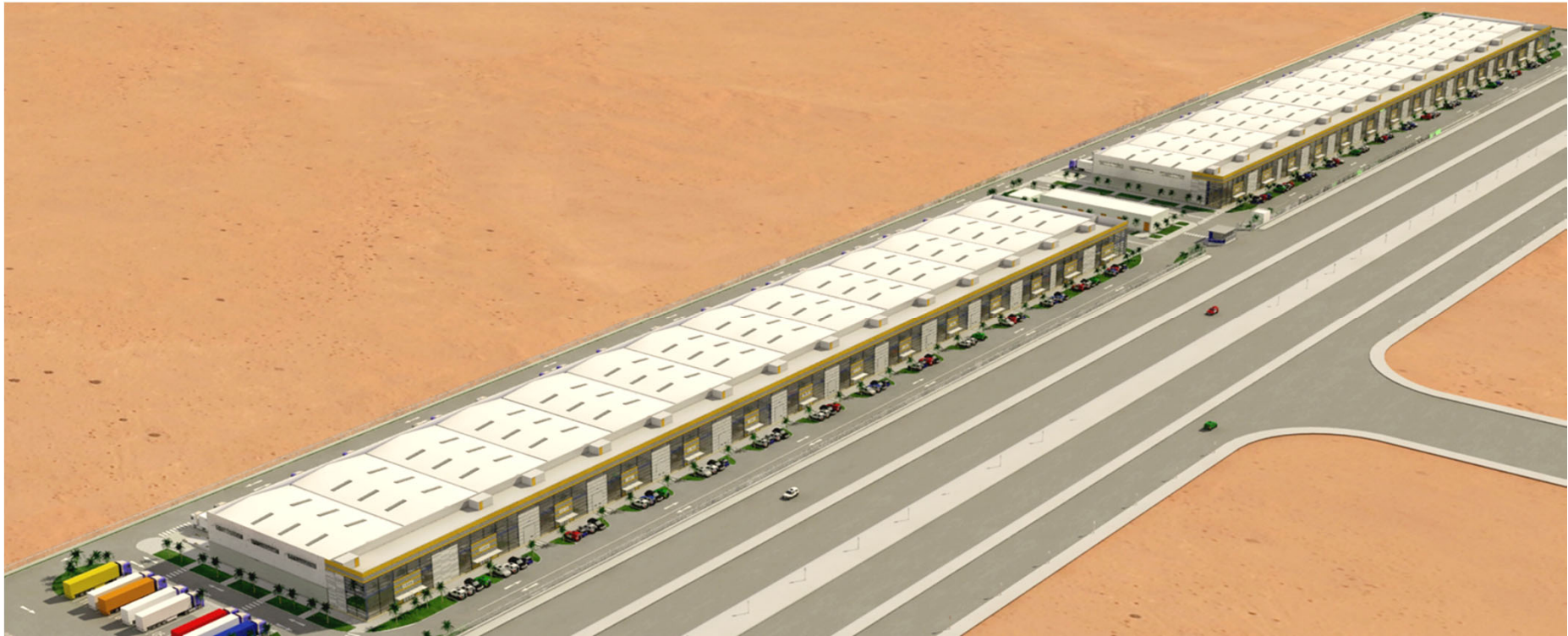








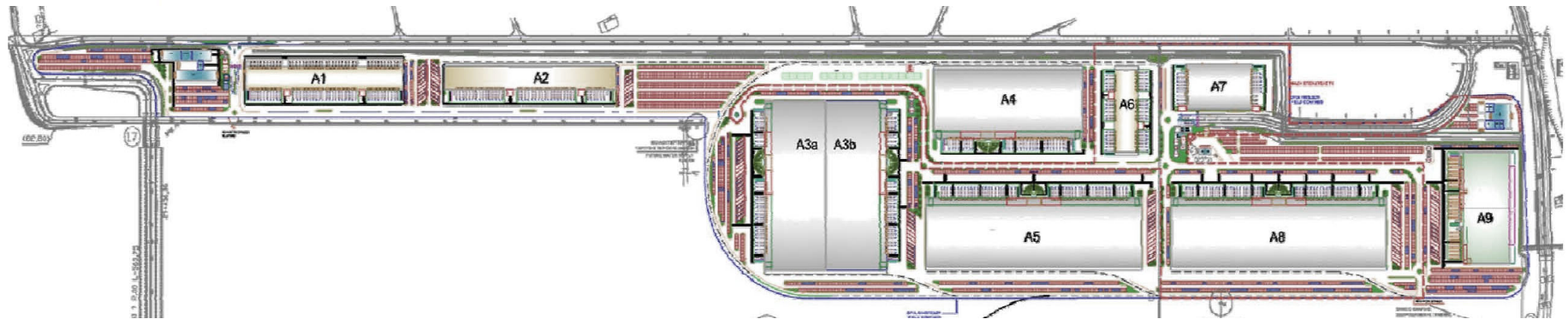
(2016-17) 49.000 m2 / Project Budget : 65.000.000 SAR

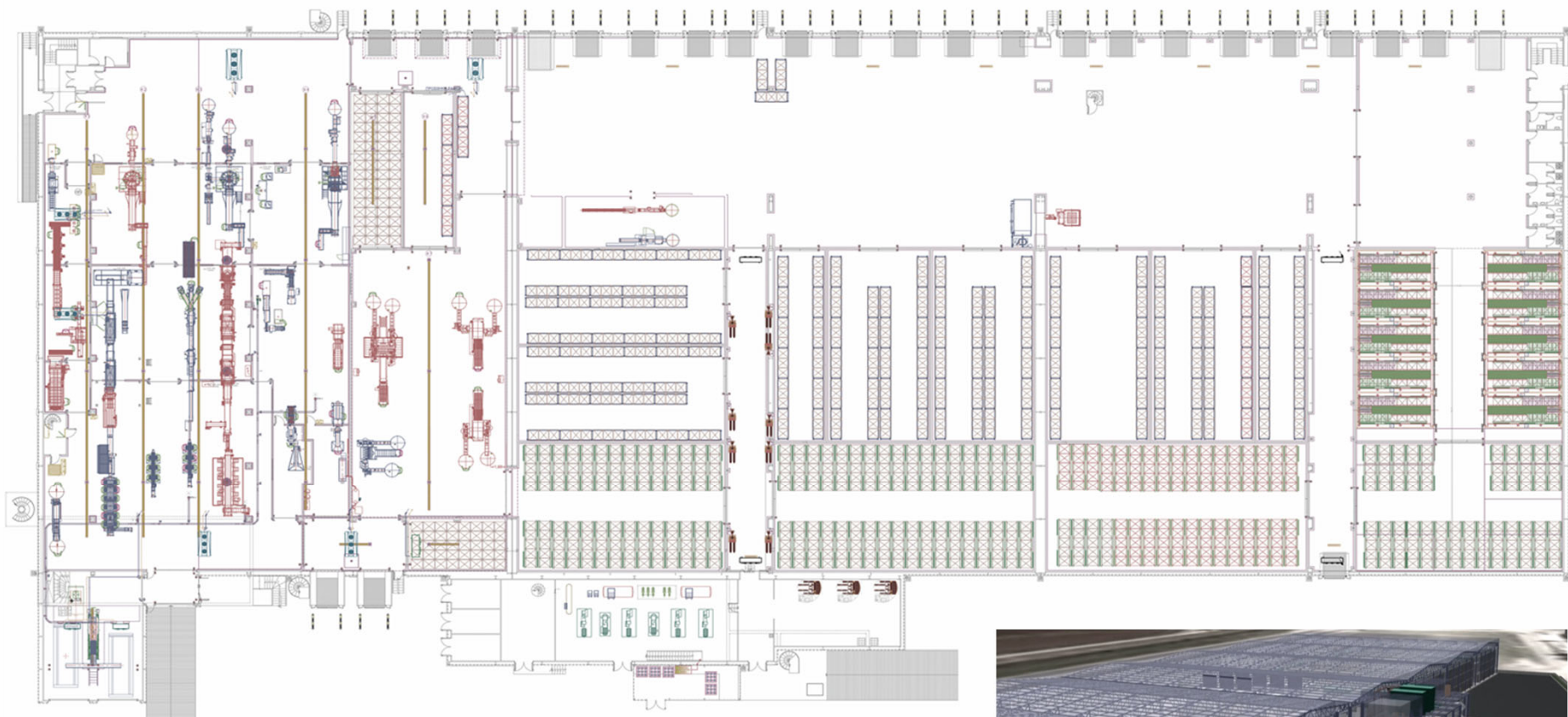




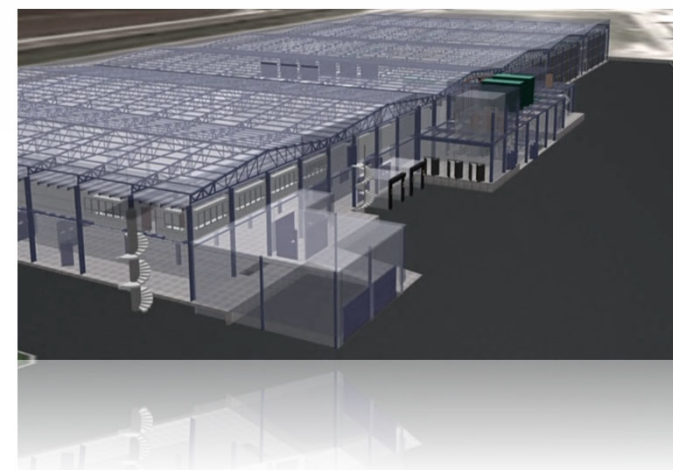




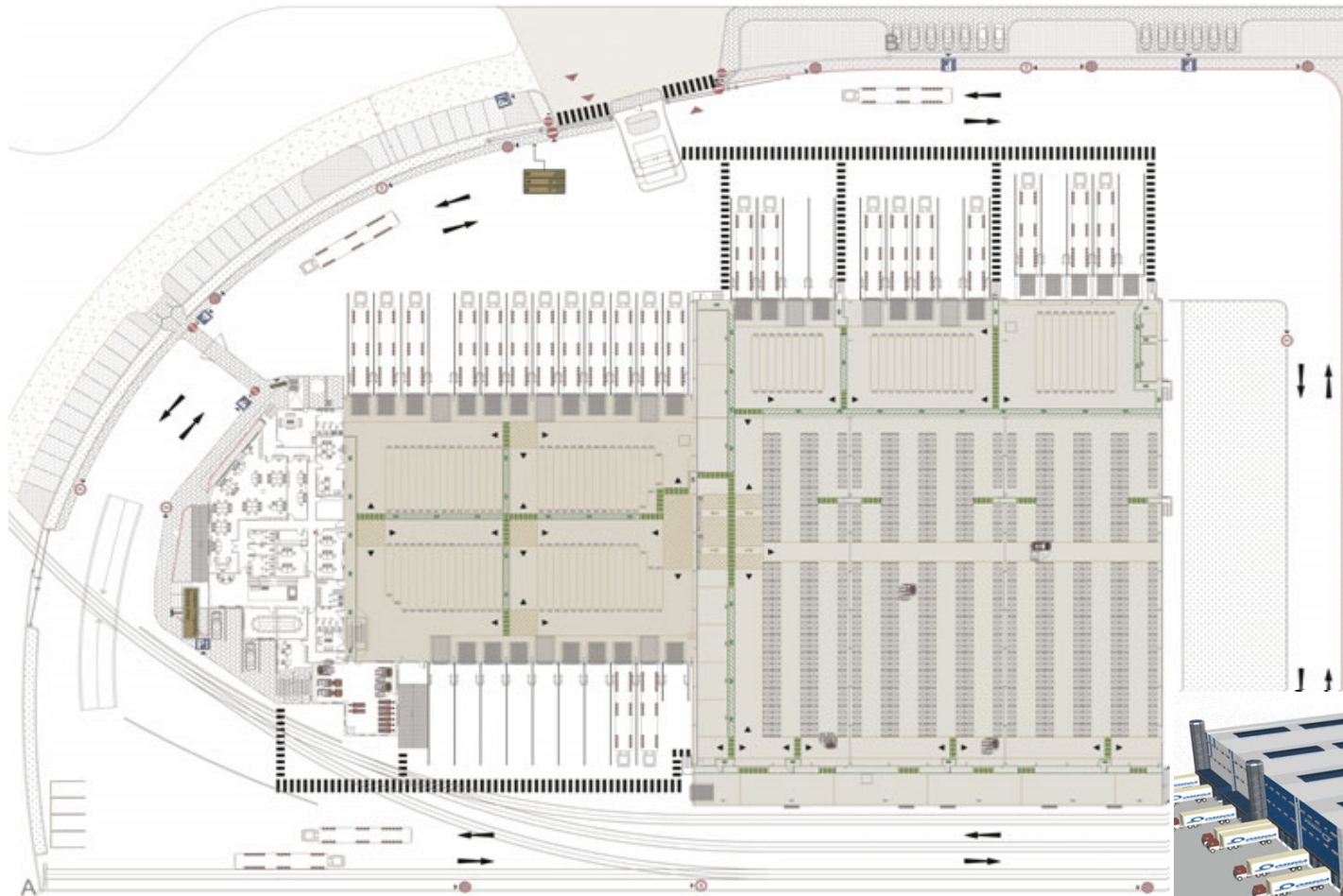




Warehouse Fruit Cold Store & ready to eat vegetable (Chilled)





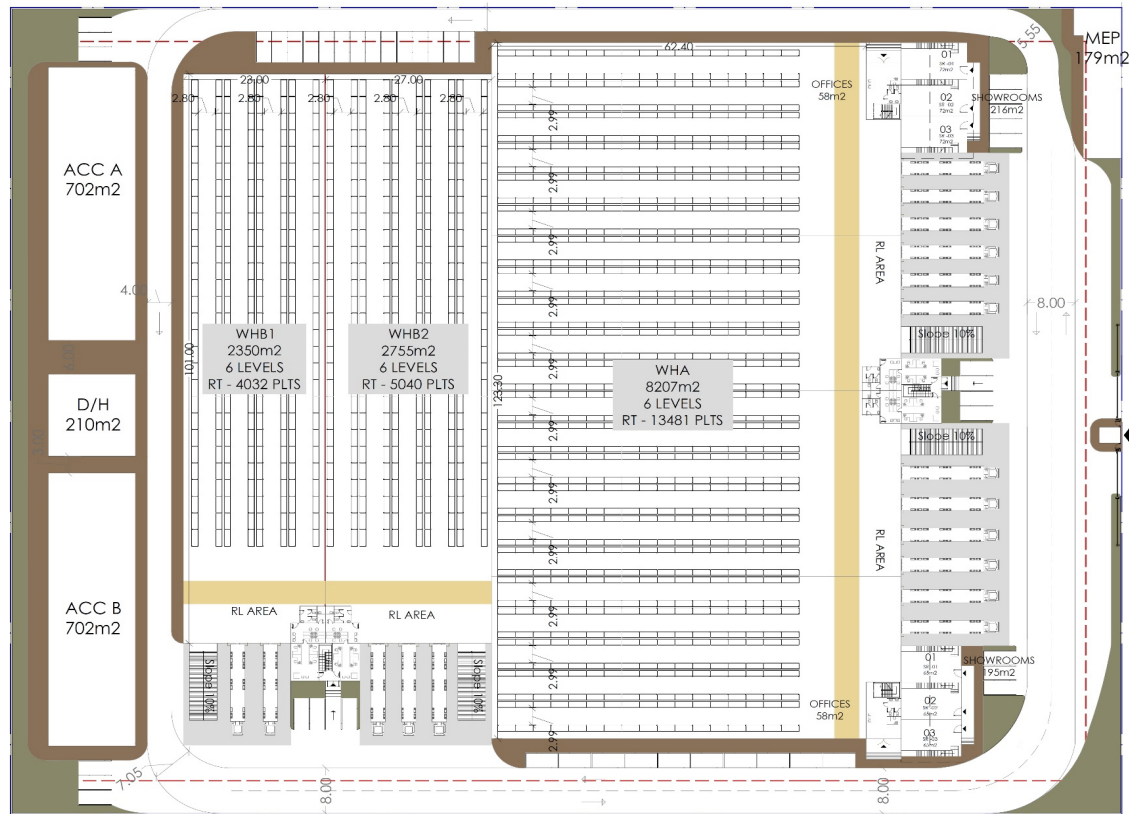


Warehouse dry cargo h=14m











# Reference Projects

## Commissioning Management and O&M Manual

- NDIA - AIRCRAFT MAINTENANCE HANGAR - **ADCC – 152.000 sq m**
- NDIA - EMIRI'S HANGARS - **ADCC – 41.000 sq m**
- NDIA - CARGO TERMINAL COMPLEX - **ADCC – 96.000 sq m**
- NDIA - DUTY FREE WAREHOUSE - **ADCC– 17.800 sq m**
- NDIA - CARGO TERMINAL COMPLEX - CP26 – **ADCC**
- NDIA - EMIRI'S HANGARS – CP11 - **ADCC**
- NDIA - CARGO TERMINAL COMPLEX – CP94 – **ADCC**
- AL SADD - ALI BIN HAMAD AL ATTIBA ARENA – **QATAR OLYMPIC COMMITTEE – 73.800 sq m**
- RAS LAFFAN – EPIC FOR JOINT FORCES, GOVERNMENT AND COAST GUARD TELECOM BUILDINGS –  
**AL JABER - 20.000 sq m**









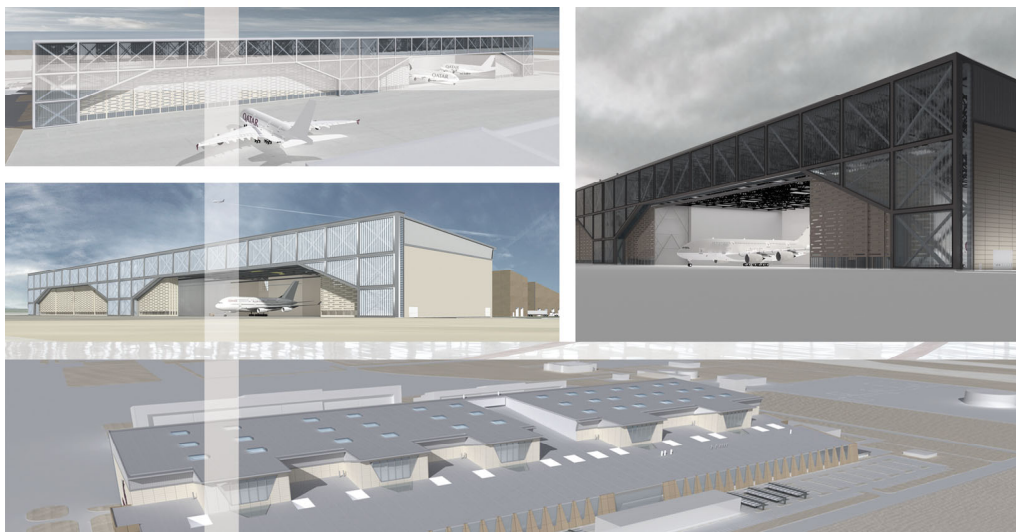




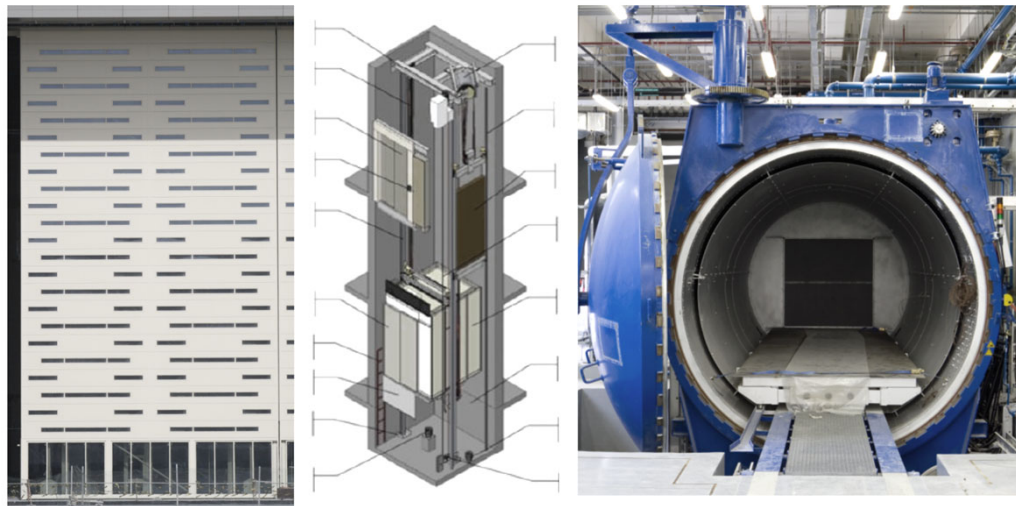




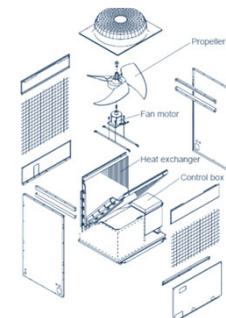
NDIA – Cargo Terminal Complex - CP26 - ADCC JV



SPECIAL EQUIPMENT



HVAC PLANT



ELECTRICAL PLANT



FIRE SYSTEM

PLUMBING SYSTEM

BUILDING MANAGEMENT SYSTEM (BMS)



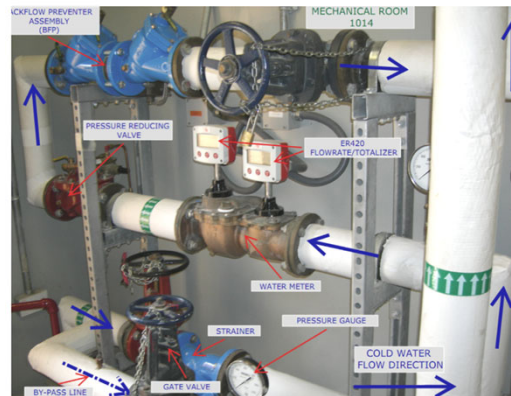
HVAC PLANT



FIRE SYSTEM



PLUMBING SYSTEM



ELECTRICAL PLANT



SPECIAL EQUIPMENT

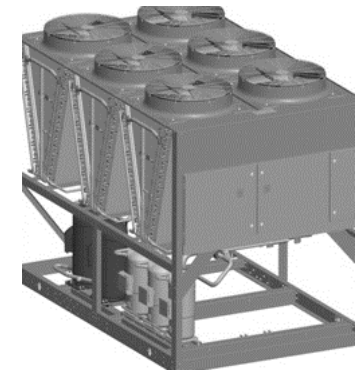
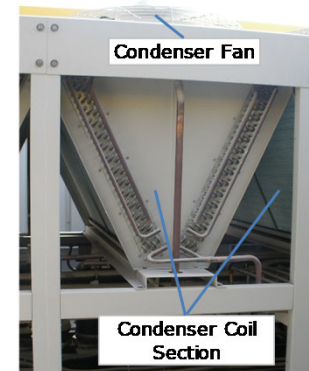
BUILDING MANAGEMENT SYSTEM (BMS)



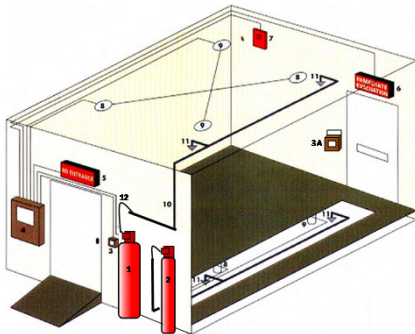


Workshop Maintenance Facility  
Motor Transport Workshop  
Ground Service Equipment  
Facilities Maintenance Facility

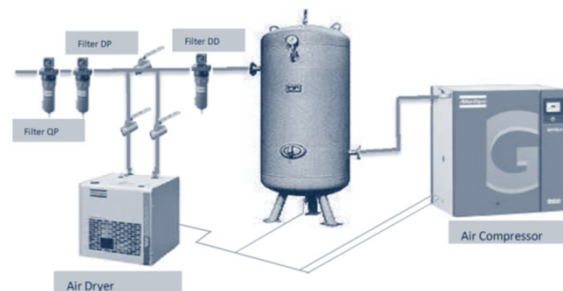
## HVAC PLANT



## FIRE SYSTEM



## PLUMBING SYSTEM



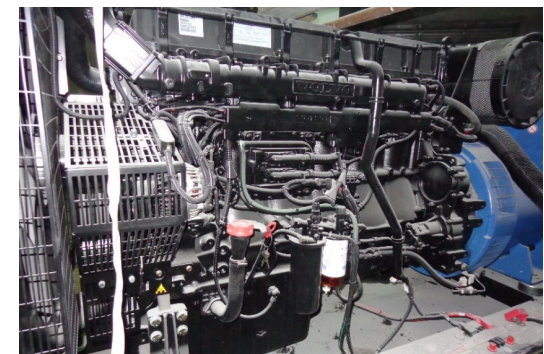
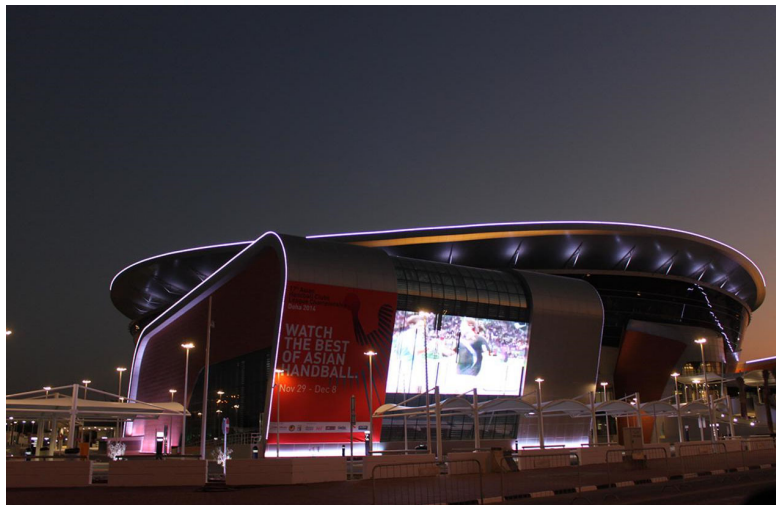
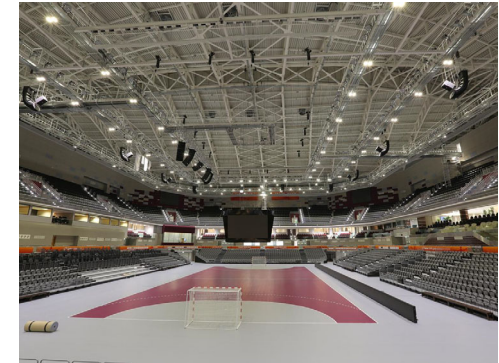
## ELECTRICAL PLANT



## SPECIAL EQUIPMENT

## BUILDING MANAGEMENT SYSTEM (BMS)

AL SADD - ALI BIN HAMAD AL ATIYA ARENA – QATAR OLYMPIC COMMITTEE – 73.800 sq m





EPIC FOR JOINT FORCES, GOVERNMENT AND COAST GUARD TELECOM BUILDINGS – RAS LAFFAN – AL JABER– 20.000 sq m



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