

OVER HALF A CENTURY OF CONTINUOUS GROWTH



Consolidated Contractors Company



OUTLINE

● Company Introduction

- CCC Group
- CCC Sales & Revenue
- CCC Group Manpower
- CCC Plant & Equipment

● Engineering, Procurement & Construction

- Engineering
- Procurement
- Construction

OUTLINE

● Health, Safety & Environment (HSE)

- Environment Management Plan

COMPANY INTRODUCTION

- Consolidated Contractors Company (CCC) was originally formed in **1952** in Lebanon.
- CCC, based in Athens, Greece, currently employs over 125,000 people in its worldwide operations.
- CCC is a family company with a unique set of culture of values and traditions.
- Our family culture embodies values, trust, loyalty and hard work.
- CCC is predominately a **construction company** that provides project management, engineering, procurement and construction services for
 - Oil & Gas and Petrochemical Projects
 - Pipeline Projects
 - Major Building & Civil Engineering Projects
 - Marine Projects
 - Maintenance of Petrochemical Installations & Underwater Structures
- Highest Commitment to HSE. CCC is **ISO 14001** and **OSHAS 18001** certified.
- Working to the highest level of Quality according to **ISO 9001**.
- Communication system and automation tools to the latest technologies.



COMPANY INTRODUCTION

- Currently ranked 18th in ENR Top International Contractors (2011)



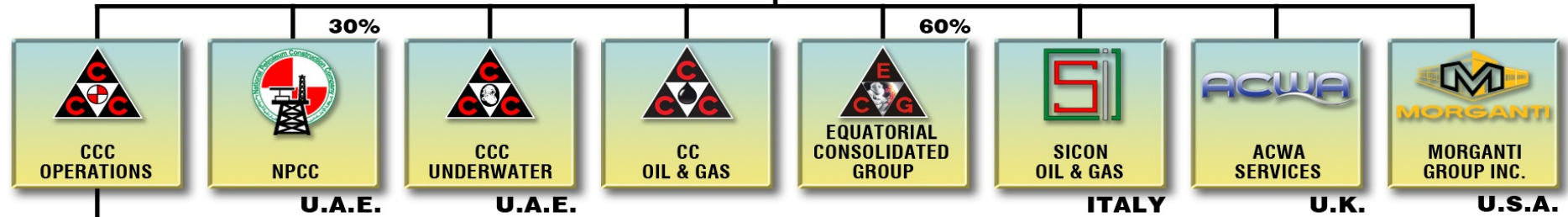
Top 225 International Contractors



ENR THE TOP 225 INTERNATIONAL CONTRACTORS

The Top 225

RANK 2011	RANK 2010	FIRM	2010 REVENUE (\$ MIL)		2010 NEW CONTRACTS (\$ MIL)	GENERAL BUILDING	MANUFACTURING	POWER	WATER SUPPLY	SEWER / WASTE	INDUS. / PETROLEUM	TRANSPORTATION	HAZARDOUS WASTE	TELECOM
			INT'L	TOTAL										
1	1	HOCHTIEF AG, Essen, Germany [†]	27,424.7	28,979.7	37,651.7	36	1	2	6	3	3	27	0	4
2	2	VINCI, Rueil-Malmaison, France [†]	16,557.6	45,110.0	37,214.8	13	0	8	3	0	9	52	1	3
3	4	BECHTEL, San Francisco, Calif., U.S.A. [†]	12,500.0	19,714.0	16,253.0	0	0	0	0	0	71	26	0	0
4	5	BOUYGUES, Paris, France [†]	12,432.0	30,671.0	33,275.0	28	0	5	1	1	1	60	0	0
5	8	SKANSKA AB, Solna, Sweden [†]	11,632.3	14,635.5	18,235.0	48	3	4	4	3	6	29	0	2
6	7	SAIPEM, San Donato Milanese (Milan), Italy [†]	11,604.9	12,106.8	15,590.5	0	0	0	0	0	99	0	0	0
7	9	FLUOR CORP., Irving, Texas, U.S.A. [†]	11,585.6	17,184.4	27,363.0	16	0	6	0	0	63	13	0	1
8	3	STRABAG SE, Vienna, Austria [†]	10,870.0	12,777.0	12,449.0	21	0	2	4	4	5	48	0	0
9	10	TECHNIP, Paris, France [†]	7,940.0	8,069.0	9,231.0	0	0	0	0	0	100	0	0	0
10	11	FCC, FOMENTO DE CONSTR. Y CONTRATAS SA, Madrid, Spain [†]	7,457.8	16,059.8	25,432.5	31	3	3	2	4	1	51	0	4
11	13	CHINA COMMUNICATIONS CONSTRUCTION GROUP LTD., Beijing, China [†]	7,134.2	40,418.7	62,865.5	6	1	5	1	2	1	84	1	0
12	18	GRUPO ACS, Madrid, Spain [†]	6,562.4	20,631.8	23,388.1	0	0	28	0	6	27	39	0	1
13	8	BILFINGER BERGER SE, Mannheim, Germany	6,324.3	10,780.8	10,681.4	20	0	11	0	2	44	23	0	0
14	12	KBR, Houston, Texas, U.S.A. [†]	5,863.5	7,648.1	7,232.0	29	0	8	4	0	46	12	0	0
15	15	CONSTRUTORA NORBERTO ODEBRECHT, Sao Paulo, Brazil [†]	5,837.6	10,000.8	15,930.2	4	0	11	14	1	13	56	0	0
16	14	LEND LEASE GROUP, Millers Point, NSW, Australia [†]	5,590.4	8,431.4	3,543.4	95	0	0	0	0	3	1	0	1
17	17	ROYAL BAM GROUP NV, Bunnik, The Netherlands [†]	5,435.0	9,808.0	11,129.0	48	0	0	0	0	0	54	0	0
18	10	CONSOLIDATED CONTRACTORS GROUP, Athens, Greece [†]	5,264.7	5,264.7	6,427.9	14	0	1	10	0	45	21	0	0
19	16	BALFOUR BEATTY, London, U.K. [†]	5,181.1	12,400.4	12,351.3	69	0	3	0	3	0	30	0	3
20	22	CHINA STATE CONSTRUCTION ENG'G CORP. LTD., Beijing, China [†]	4,871.7	48,868.0	121,015.7	62	0	1	1	1	0	14	0	0
21	**	OHL, Madrid, Spain [†]	4,624.7	6,480.9	6,568.9	18	0	0	0	2	1	77	0	0
22	24	PETROFAC LTD., Jersey, U.K. [†]	4,354.2	4,354.2	7,673.0	0	0	0	0	0	100	0	0	0
23	23	HYUNDAI ENGINEERING & CONSTRUCTION CO. LTD., Seoul, S. Korea	4,308.9	8,876.5	15,878.4	15	0	38	0	0	39	8	0	0
24	41	SINOHYDRO CORP., Beijing, China [†]	4,010.0	15,883.3	20,668.0	22	0	45	5	1	0	26	0	0
25	18	LEIGHTON HOLDINGS LTD., Sydney, NSW, Australia [†]	3,646.0	18,510.0	27,870.0	31	0	0	3	4	16	7	1	0



U.A.E.

U.A.E.

ITALY

U.K.

U.S.A.

AFRICA

GULF & MIDDLE EAST

C.I.S.

EUROPE

ASIA

CARIBBEAN

SOUTH & CENTRAL AMERICA

ALGERIA
BOTSWANA
EGYPT
ETHIOPIA
EQUAT. GUINEA
GUINEA BISSAU
KENYA
LESOTHO
LIBYA
MADAGASCAR
MALAWI
MOROCCO
MOZAMBIQUE
NAMIBIA
NIGERIA
REP. OF GUINEA
SOUTH AFRICA
SUDAN
SWAZILAND
TUNISIA
ZAMBIA

BAHRAIN
IRAN
IRAQ
JORDAN
KUWAIT
LEBANON
OMAN
PALESTINE
QATAR
SAUDI ARABIA
U.A.E.
YEMEN

AZERBAIJAN
KAZAKHSTAN
TURKMENISTAN

RUSSIA
UNITED KINGDOM

CHINA
MALAYSIA
PAKISTAN
THAILAND

GRENADA
ST. LUCIA

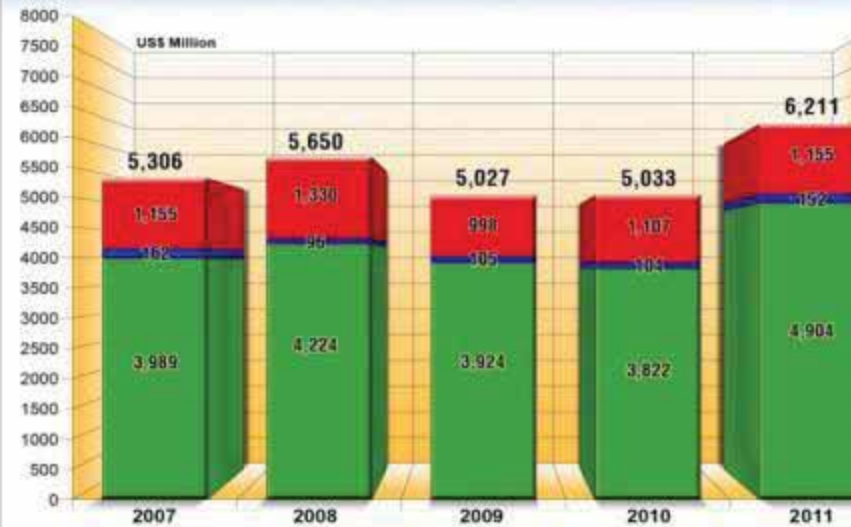
BELIZE

CCC Sales & Revenue

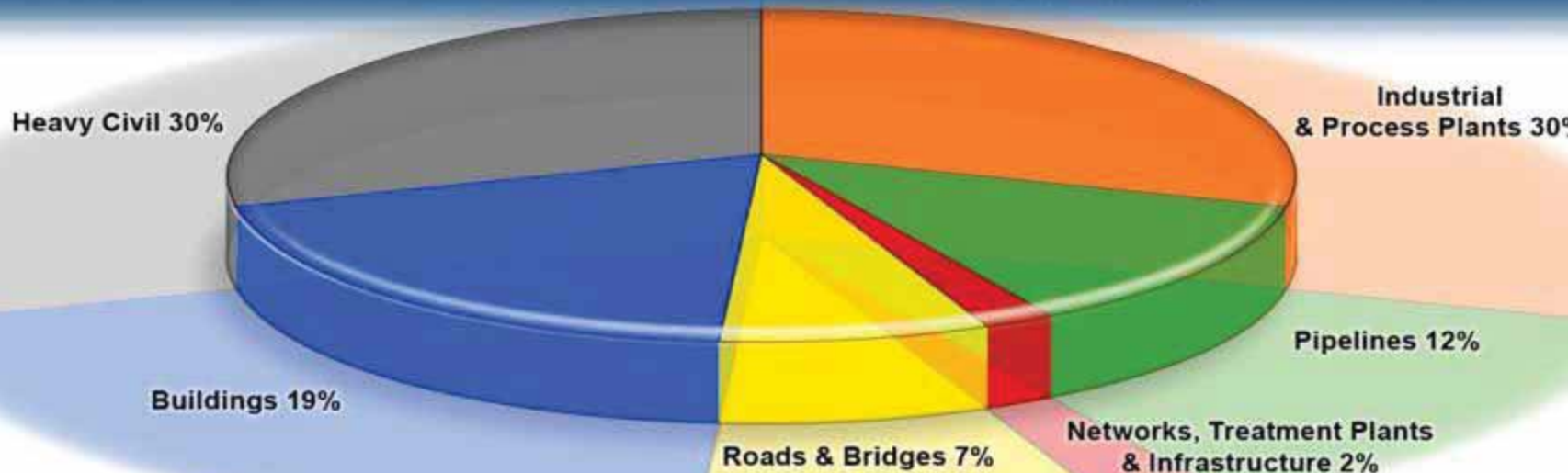
Total CCC Sales



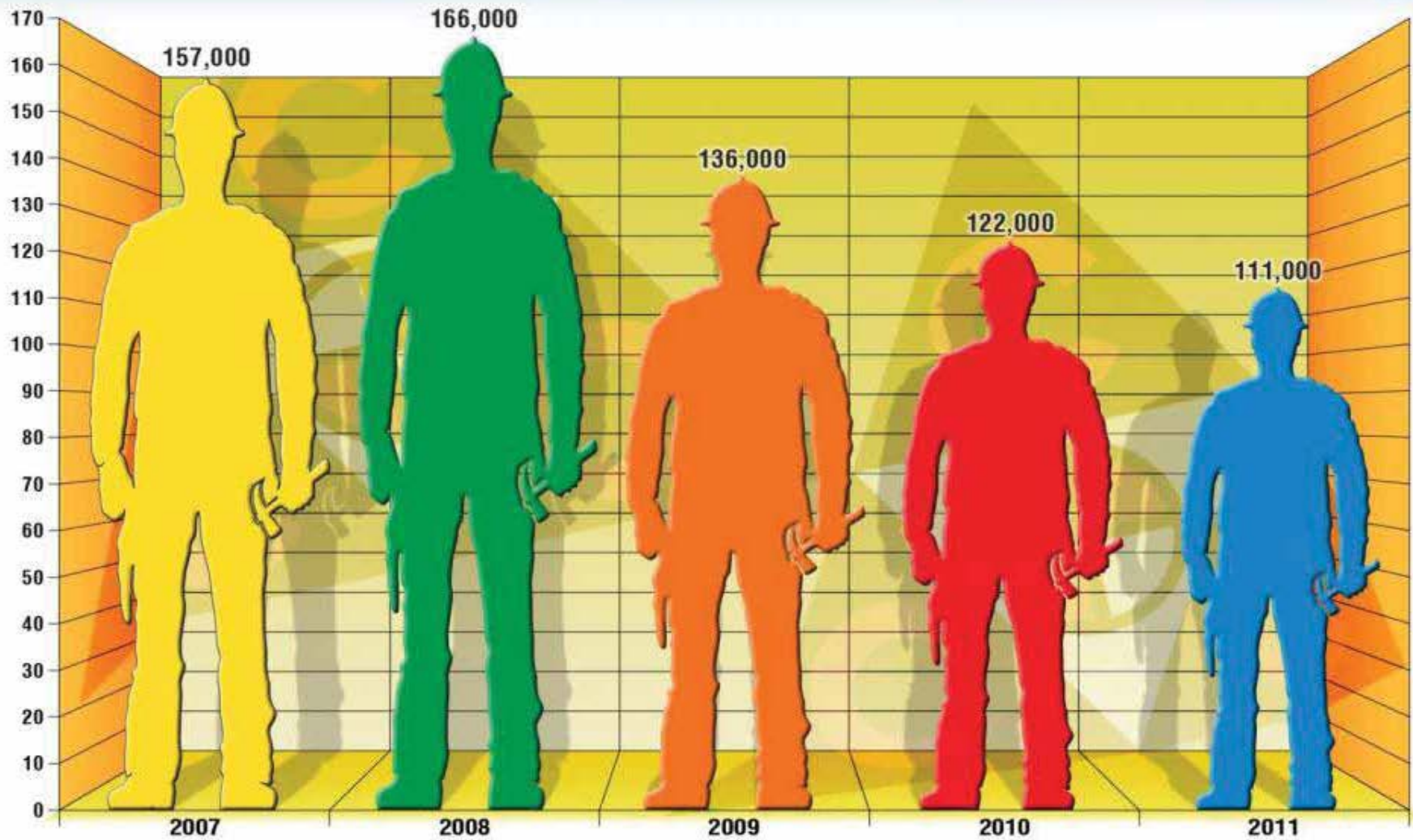
Total Revenue Managed by CCC



Actual Sales Last Five Years (By Segments)



CCC Group Manpower



CCC Plant & Equipment

2011



**ELECTRIC GENERATORS
& LIGHTING TOWERS**
675

**EARTHMOVING
EQUIPMENT**
906

**PIPELAYING
EQUIPMENT**
201

**CIVIL ENGINEERING
& CONSTRUCTION EQUIPMENT**
1,345

**AIR
COMPRESSORS**
454

**WORK/SURVEY BOATS
& STANDARD FACILITIES**
168

**HEAVY DUTY
VEHICLES**
2,319

**VEHICLES
& LIGHT TRUCKS**
2,625

WELDING MACHINES
8,131

CRANES
977

TOTAL NO. OF EQUIPMENT: 17,801
TOTAL VALUE OF EQUIPMENT: US\$ 1,049 MILLION



CCC Heavy Lift Operations



- CCC owns over 977 cranes with a capacity ranging from 20 to 1600 tons.
- CCC and Mammoet have formed a joint venture company called CCVS, on a 50-50 basis for the ownership of the following cranes:

<i>Type</i>		<i>Capacity</i>	<i>No.</i>
DEMAG CC 8800-1	Crawler	1,600 T	1
DEMAG CC 4800	Twin Ring	1,600 T	1
DEMAG CC 4800	Crawler	1,000 T	1
DEMAG CC 2500-1	Crawler	500 T	2

The highest flare stack

Erected 200mtr high Demick Flare Stack 28-FL8401 using Demag CC8800 at QGX Project – Qatar.



The heaviest lift

Erected 2 Propylene Rectifiers. Each of 1,780 Tons for the Rabigh Development Project, Saudi Arabia



SAMPLE EPC PROJECTS

	Client	Value (\$M)	CCC (\$M)	Year Awarded
Abu Dhabi International Airport	ADAC	3,000	JV	2012
Abu Dhani Presidential Palace		1,000	1,000	2011
SHAH SULPHUR STATION & PIPELINE PROJECT	AL HOSN	575	550	2011
Habshan Flare Gas Recovery	GASCO	125	125	2009
16" SAS Full Field Development – 100km	ADCO	1,200	600	2009
RL CCW Phase II Category II	QP	590	590	2008
Ras Iaffan Port Expansion	QP	1,800	1,800	2008
Offshore Associated Gas (OAG) (Incl. 96Km 30" P/L)	GASCO	290	290	2006
Al-Khafji Field Development Plan Onshore Phase-I	KJO	541	541	2006
36" Bu Hasa – Habshan Gas 50km	GASCO	55	55	2006



EPC PROJECTS

	Client	Value (\$M)	CCC (\$M)	Year Awarded
24"/30" Eastern Gas Distribution System Upgrade	Dolphin	127	127	2006
RL CCW – Supply Seawater to LNG 1/W4	QP	107	107	2005
Habshan Gas Complex Expansion Package 1	GASCO	999	470	2005
LAM-10 Platform Upgrade Project	Dragon Oil	013	013	2005
Oman Isomerization And Revamp	ORC	113	113	2004
36" Ras Laffan/Mesaeed Sweet Gas 126km	QP	86	86	2004
24" Mina Al Fahl; - Sohar Crude 266km	ORC	88	88	2004
48" maqta – Jebel Ali (UAE) 112 km	GASCO	109	109	2002
42" Baku-Tbilisi-Ceyhan (Oil) 443 km	BTC	149	149	2002
42" Georgia Border – Baku (Gas) 443 m	SCPC	99	99	2002
26" Mozambique – RSA (Gas) 860km	Sasol	260	260	2001
Ras Laffan Common Cooling Water	QP	290	290	2001
Shaybah Residential & Industrial Complex	Aramco	229	229	1998



ENGINEERING, PROCUREMENT & CONSTRUCTION

General

- For more than 25 years, CCC has obtained a recognized expertise through its Civil Engineering Department (CED) for handling engineering for major civil and buildings projects.
- In 2002, CCC made the decision to develop similar capabilities for all engineering disciplines to serve the Oil and Gas sector. For this purpose the new Plants Engineering Department (PED) was established, in Athens, Greece.
- In 2004, CCC relocated Engineering, Procurement and Support Services to Abu Dhabi, UAE “EPSO”.



ENGINEERING, PROCUREMENT & CONSTRUCTION

General

- We capture all aspects of the Engineering, Procurement & Construction (EPC) value chain, starting with Feasibility Studies, into Design, Procurement, Construction, Commissioning, Operations and Maintenance as well as Project Development (BOT, BOO, PPP) for:
 - Oil & Gas Projects
 - Petrochemical Projects
 - Pipeline Projects
 - Offshore Platforms
 - Environmental Projects
 - Heavy Civil and Marine
 - Buildings
 - Roads and Infrastructure
 - Power & Water Projects
 - Dams, Harbors & Airports

Our specialty is the construction of mega projects in the remot locations across the globe.



ENGINEERING, PROCUREMENT & CONSTRUCTION

Engineering

- Oil and Gas Up Stream
- Gas Treatment
- Pipelines
- Refineries
- Seawater and Cooling Water Networks
- Buildings / Civil Works
- Residual FEED Engineering
- Detailed Engineering & Design
- Support Field Engineering
- Support to Pre-commissioning, Commissioning & Start-Up



ENGINEERING, PROCUREMENT & CONSTRUCTION

Engineering

- Purchasing Section
- Expediting Section
- QC Section (Test / Inspection)
- Traffic & Logistic Section
- Spare Parts Section



ENGINEERING, PROCUREMENT & CONSTRUCTION

Construction

- **General Construction Contractor on board from day one**
- **Construction planning is made easier: E/P/C integration leading to overall schedule optimization**
- **Construction has a better understanding of the design intent, and vice versa**
- **Early and practical constructability input based on long construction experience (lessons learned data base & manual is vital reference to design team)**
- **Optimization to the construction supervision and timely construction resource mobilization**
- **Reduction of internal contractual interfaces, actual single responsibility**
- **Better Quality**



Fabrication Facilities

- CCC provides both mobile and permanent fabrication facilities.



- **Mobile Facilities: 40 Fabrication Shops**
 - Pipe spool fabrication: 700 tons per fab-shop
 - Steel structure fabrication: 300 tons per fab-shop



- **ECG Facilities Permanent Facility in Equatorial Guinea:**
 - Pipe spool fabrication: 600 tons
 - Steel structure fabrication: 700 tons



- **NPCC Fabrication: Facility Permanent Facility in UAE:**
 - 5,800 tons of fabricated steel, structures for wellhead Jackets, Decks, Topsides, Modules, loading Terminals

HEALTH, SAFETY & ENVIRONMENT (HSE)

Construction

Our goals are to ensure that:

“Nobody Gets Hurt”

&

“Everybody Returns Home Safely”



HSE Certificates & Awards



ExxonMobil Development Company (EMDC)
Safe Contractor HSE Award of the year 2009
for QGXII Project in Qatar

75 million manhours worked without a Lost Time Incident at Pearl GTL Project in Qatar



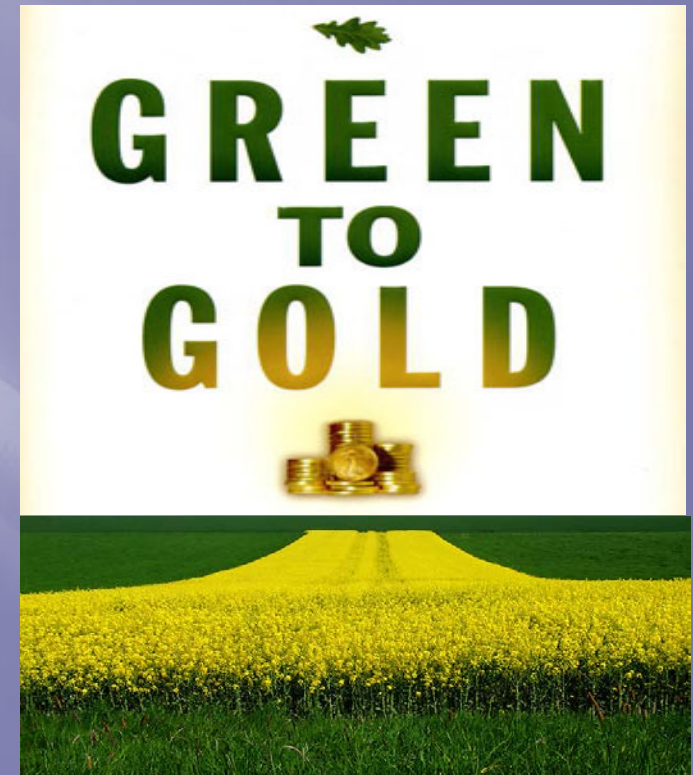
ExxonMobil



ENVIRONMENTAL MANAGEMENT PLAN

Item	Procedure	Synopsis
1	Environmental Management Plan	<ul style="list-style-type: none"> • Environmental Awareness among workforce (Training, meetings, tool-box talks, etc...) • Environmental Incident Reporting\Investigation • Monitoring levels of air pollution (Carbon Monoxide Emissions) • Minimize Dust & Dust Control • Water Pollution Prevention & Control (Fresh Drinking Water & waste water) • Noise Control • Land Pollution (Soil, spills, etc...) • Site Reinstatement (restore site to its original condition before construction started)
2	Waste Management Plan	<ul style="list-style-type: none"> • Solid Waste Management (Domestic, Construction and Hazardous) • Maintenance of Workshops • Waste Segregation • Waste Collection • Waste Storage • Waste Transport • Waste Disposal • Waste Recycling (upon nearby facilities availability)
3	Camp Sanitation and Hygiene	<ul style="list-style-type: none"> • Specifies the Project's health requirements necessary to maintain the hygiene, safety & environmental health on camps (rooms, offices, mess hall, kitchens, laundry, recreation, toilets...etc).
4	Chemical Hazard Communication and Storage	<ul style="list-style-type: none"> • Guidelines for protecting employees through appropriate hazard communication and control on site.
5	Site Restoration and Reinstatement Summary	<ul style="list-style-type: none"> • Applies to all site areas to be restored after completing work activities. • Outline the activities to be taken in order to restore the areas where work activities and scope have been completed to their initial condition or to a condition acceptable by the laws of the host country.
6	Spill Management & Reporting Procedure	<ul style="list-style-type: none"> • Outlines the basic actions that will be taken during construction activities to mitigate any oil / chemical spills and prevent any adverse effects on the environment.
7	Wild Life Procedure	<ul style="list-style-type: none"> • Define the safety & environmental requirements in the case of encountering wildlife animals.
8	Erosion\Sediment Control Plan	<ul style="list-style-type: none"> • Re-establish areas disturbed by construction works to a state capable of supporting vegetation, and in keeping with the surrounding environment whenever applicable, within the time constraints dictated by specified erosion performance criteria.
9	Dust Control Procedure	<ul style="list-style-type: none"> • Setting the basic actions that shall be applicable to all activities and locations throughout the camp and the work areas within the Project in order to mitigate any environmental impact due to dust.

CCC Environmental Management System (EMS) Elements





IMAGES OF CCC PROJECTS

www.ccc.gr