AGIBA Disaster Early Warning And Emergency preparedness

By

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AGIBA Petroleum Company
IS One Of The Exploration Production Company In EGYPT Working In The Gulf of SUEZ And western Desert.
• AGIBA Management Is Considering ITC An Integral Part Of The Business and Performance Enabler Tool For All Company Activities.

• The STAFF In AGIBA Is An Asset, Treasure Where We Have To Take Care About.

• The DATA Is another Asset Where it’s Value Exceed The Value Of Oil Barrels.

• Saving Life Of The Man Working In An Difficult Environment Is One Of The Major Objectives Of ITC In AGIBA.

• AGIBA Management Are Completely Convinced That

   FASTER COMMUNICATION=LESS DISASTER.
AGIBA Development Leases

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Improving the Voice quality.
Increasing both BW & number of Voice Channels
Faster Data And Voice Communication.
Improving the Voice quality.
Increasing both BW & number of Voice Channels

Our Needs

To Fulfil

- Faster Data And Voice Communication.
- Improving the Voice quality.
- Increasing both BW & number of Voice Channels

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Solution Overview

• The solution consists of deploying Broadband Wireless Technology (BBW) in combination with Telecom Egypt Fiber Optic (FO) as well as the recently repaired Agiba FO cable linking Meleiha to El Hamra via Mid-Point.

• Upgrade the Local Area Networks in the various OL by introducing Cisco based IP Telephony and Wi-Fi technology, Video Conferencing.

• Provide high speed link (Wi-Max) to the Rigs operating in the vicinity of Meleiha, Aghar and Faras (18Mbps up to 30Km distance).

• The aggregated bandwidth within the Western Desert OL will be more than 48Mbps and 8Mbps to Cairo Head Quarter with 99,999% availability.
Phase one

Ashrafi concession

Phase two

Western desert operation locations

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Phase one

Ashrafi concession

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PHASE ONE
Fiber Optic Cable (F/O) between Nasr City Exchange and A.H.Q
Phase one to improve the connection with Agiba H.Q.
Phase two

Western desert operation locations
Meleiha
Zarif
Mid-Point
Hamra
Aghar
Raml
Faras
Meleiha
Zarif
Mid-Point
Hamra
Aghar
Raml
Faras
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Agiba ITC PROJECT OVERVIEW

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Agiba ITC PROJECT OVERVIEW

Rigs
B.B.W Point to Multipoint
B.B.W Point to Point
Fiber optic cable T.E
Fiber optic cable Agiba

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Purpose of Emergency Preparedness

To define responsibilities, organizational arrangement and procedures to be followed by personnel based in fields in the event of an emergency
To develop and implement a management system which, when activated in any emergency situation will be able to restrict the consequential losses.

And ...
To return operations back to normal ASAP
Our Ultimate Objectives

- Protect employees
- Protect property
- Maintain company image
- Minimize Damage /loss
- Ensure continuity of operations

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Stages in Emergency Planning
Before

• Identify potential crisis scenarios, and their impact
Before

- Crisis scenarios may include:
  - fire
  - spill
  - explosion
  - blow-out
Before

- Identify all required resources
- Ensure availability when needed
- Resources include:
  - Manpower
  - Equipment
  - Outside assistance
Before

- Define roles and responsibilities
  - Of all concerned personnel
Before

• Train and conduct drills to ensure readiness to react
  - All concerned personnel to participate
Before

- Continuously update plan
  - In accordance to changes
During

- React quickly to control the emergency situation according to the plan
After

- Bring back operations to normal
• Crisis Management Team
Cairo H.O
Emergency Management Team
Fields

EMT

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Emergency Control Room

• Used by the Emergency Management Team
• An ECR cabinet, which has all necessary support facilities and equipment, is kept in the EC Room
Communications General Manager

- Provide all necessary means of emergency communication
External Assistance Resources Directory

Agencies that can provide support when needed

Includes:

- Mutual Aid agreement participating companies
- Government and non-government agencies (army, navy, air force, police, fire brigade, hospitals, etc.)
- Contractors.
Media Sensitive Incidents

- Nature of these incidents has the potential to damage Company image **UNLESS** situation is handled professionally
- Media liaison is extremely important
Media Sensitive Incidents

- Incidents in or near environmentally sensitive areas
- Incidents near areas of human habitation
- Medical problems offshore
- Helicopter or vessel accidents
Significant Emergencies

- Injured, missing or dead personnel
- Falling from platforms
- Rescue of people from the sea
- Fire or explosion
- Serious well control incident
- Release or spill of toxic or flammable material
Examples

- Fires
Examples

- Explosion
Examples

- Spills
Examples

- Leaks
Examples

- Blow-outs
Why did they develop into Disasters?

Poor emergency response planning
THANKS