

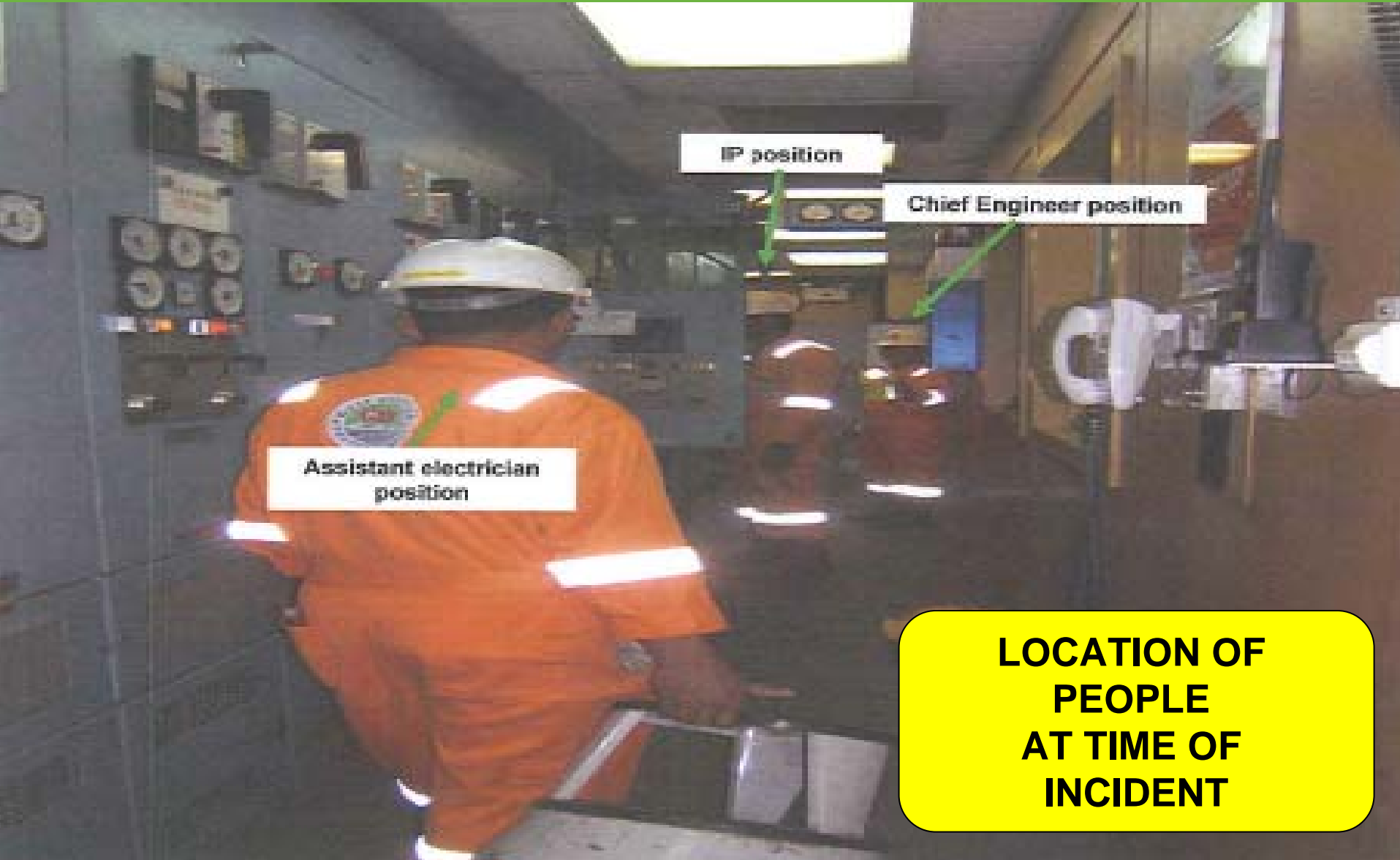


LTI (electrical arc flash)

Gulf 2 on 22-May-07

- **While working in the SCR room to restore power after a blackout, an Arc Flash occurred resulting in burns to face and hands of chief electrician.**

ELECTRICAL BURN



IP position

Chief Engineer position

Assistant electrician
position

**LOCATION OF
PEOPLE
AT TIME OF
INCIDENT**

ELECTRICAL BURN



IP (2nd Degree burns to hands)

**SAFETY GLASSES
AND EAR PROTECTORS
PROTECTED EYES AND
EARS FROM DAMAGE**



Immediate Cause:

- Improper planning
- Lack of proper PPE
(dielectric gloves, face shield)
- Incorrect tools used

Underlying Cause:

- **Lack of proper training**

(IP was scheduled to go for advanced SCR training on next rotation)

- **Time pressure**

(trying to fix electrical problem without shutting down main rig power)

- **Poor leadership**

(supervisor should have been in control of situation)

- **Inadequate engineering**

(400 volt equipment found in 600 volt system)

Corrective Actions Taken

- **No employee will be promoted until he has undergone proper training**
- **Ensure all rigs have proper electrical tools**
- **JSA upgraded to state that all electrical equipment to be isolated or switch to Emergency Generator**
- **PMS system to be updated**

Near miss (property damage)

GDI 2 on 27-Sept-07

- **After cleaning the mast, the crane was retracting and snagged the man riding winch cable. The cable fell to the rig floor near a man, but did not hit him.**

Crane Incident

**Poor visibility at night
due to direction
of rig lighting**



**Crane operator and/or
Banksman having
difficult time looking
into lights**

Crane Incident

Location where
severed cable
landed



Immediate Cause:

- ❖ **Lack of awareness of RISKS while working at night**
- ❖ **Banksman left the site before job was complete**

Underlying Cause:

- Job did not need to be done at night
- Poor job planning
- Poor identification of hazards
- Lack of awareness of crew
- Lack of attention by crew at work site

Corrective Actions Taken

- **Unnecessary work NOT to be done at night**
- **Risk (JSA) Awareness training for all crew**
- **Safety meetings to discuss the role of the Banksman**
- **Safety leadership to be introduced for all supervisors**



**Shukran / Thank you
for your time and patience**

ANY QUESTIONS?