

☆ Tripoli

Benghazi

9th International Forum on Energy for Sustainable Development

Protection of Critical Energy Infrastructure: Mitigating Security Risks to Critical Energy Infrastructure

Libya

Lessons From Managing a Private Oil & Gas Contractor in Post-Revolution Libya

Awbari

Marzuq

Kiev 12th - 14th November 2018

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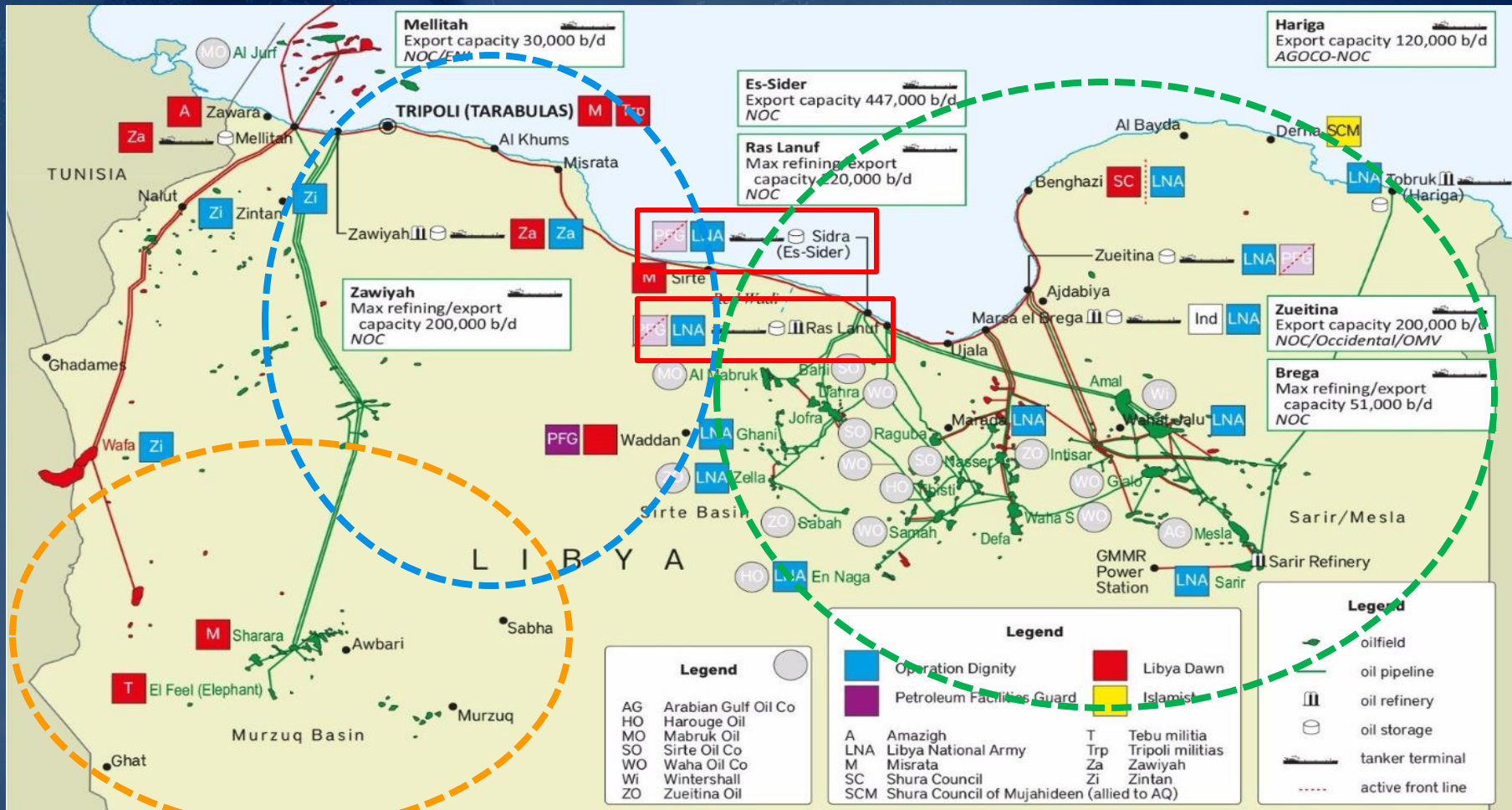
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Scene Setter: Critical Infrastructure in Libya



What Happens If We Are Unable to Protect Them



What Happens If We Are Unable to Protect Them



- **Why are these installations so critical at the first place?**
- ✓ **Because these are the main Oil export terminals and more than 64% of state budget comes from Oil export (2018 Budget)**

What Happens If We Are Unable to Protect Them



- Severe national / trans-border pollution and adverse environmental impact
- ~USD25 Millions “gone in smoke” for each full storage tank destroyed: opportunity cost
- Increased appeal of available workforce to more lucrative and cash generating activities such as militia and illegal migration business

Our Management Strategy In Such Volatile Environment

Understanding,
segmenting &
quantifying
Risks

A - Beyond the control of Management

B - Under the control of Management

RISKS TO CRITICAL ASSETS = RISKS TO PERSONNEL + INFRASTRUCTURE

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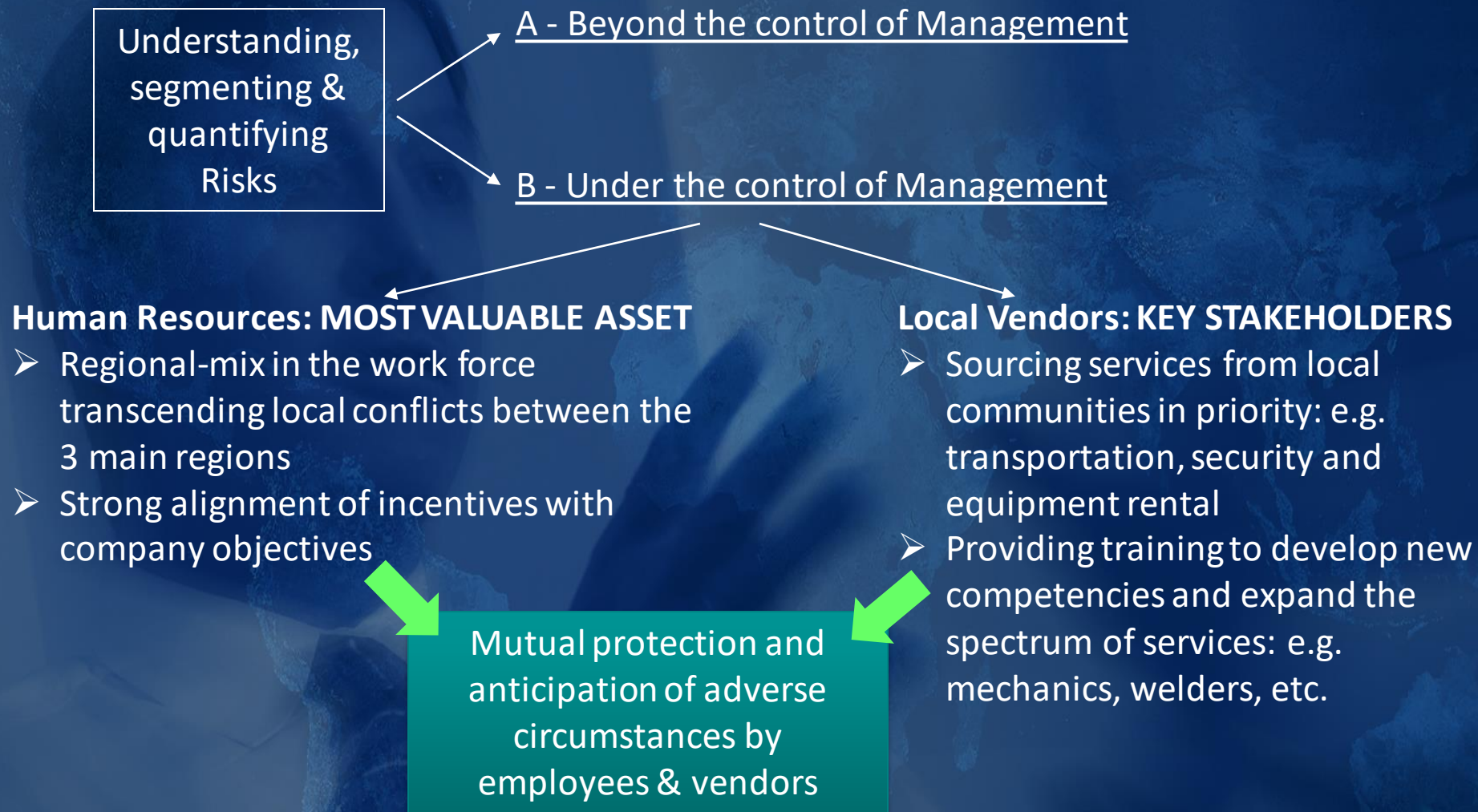
A - Beyond the control of Management

Mitigate or Minimize exposure: e.g.

- Change routes,
- shut down operations or completely evacuate sites



Our Management Strategy In Such Volatile Environment



COMPANY HQ IN TRIPOLI IN AFTER TRIPOLI LIBERATION IN 2011



COMPANY HQ IN TRIPOLI IN AFTER TRIPOLI LIBERATION IN 2011



**DO NOT BUILD CRITICAL INFRASTRUCTURE NEAR
MILITARY INSTALLATIONS !!!**

Thank you for you attention

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