



# 13 TECHNOLOGY

PROCUREMENT  
OPPORTUNITIES

# TECHNOLOGY

THE FOLLOWING THREE PRODUCT CATEGORIES  
OFFER LOCAL MANUFACTURING POTENTIAL

**Manufacture Mobile Solar  
system**

**Manufacture Battery  
Energy Storage  
Systems (BESS)**

**Manufacture Kinetic  
Battery for Energy  
Storage**

# MOBILE SOLAR SYSTEMS

## Overview



### Opportunity

- No Mobile Solar Manufacturers within UAE
- Substantial forecasted demand in ADNOC remote operations
- Wide range of applications across ADNOC Group



### Applications

- Drilling Rigs
- Live Wells
- Remote fleet for Operations (Upstream / Downstream)



### ADNOC Standards / Specifications Requirements

- American National Standard Institute (ASTM E927-19)
- IEEE standard 1562:2007
- ISO 9060
- IEC 61215



# BATTERY ENERGY STORAGE SYSTEMS (BESS)

## Overview



### Opportunity

- No batteries Manufacturers within UAE
- Substantial forecasted demand in ADNOC remote operations
- Wide range of applications across ADNOC Group



### Applications

- Drilling Rigs
- Live Wells
- Remote fleet for Operations (Upstream / Downstream)



### ADNOC Standards / Specifications Requirements

- Natl Environment Management Authority (NEMA)
- Intl Electrotechnical Commission (IEC)
- UL Standard
- Modular, Fast-charging, High Energy, Mobile packaging for field operations



# KINETIC BATTERIES FOR ENERGY STORAGE

## Overview



### Opportunity

- No batteries Manufacturers within UAE
- Steel recycling in UAE to build the system
- Wide range of applications across ADNOC Group
- Increase the use of renewable energy



### Applications

- Fast charging of electric cars – ADNOC distribution .
- Drilling rig
- All application required short or long duration energy storage across ADNOC.



### ADNOC Standards / Specifications Requirements

- Natl Environment Management Authority (NEMA)
- Intl Electrotechnical Commission (IEC)
- UL Standard
- Modular, Fast-charging, High Energy, Mobile packaging for field operations

