

# **ODASCO Solutions for Telecom Sector**

Asset Management, Energy/OPEX Reduction and Energy Management Solutions

Status: Jan 2021

## About the Company



### **▼ ODASCO LLC**

ODASCO (Odeh Asalem Co), leaders in the Automation, Power industry & Smart city infrastructure, harness more than 25 years of experience in electrical design and contracting, as well as controls and automation to provide intelligent and sustainable energy solutions mainly in the following services:

- Industrial Automation & SCADA.
- Renewable Energy & Offgrid Solutions.
- Electrical & Low Voltage Contracting.
- Telecommunication & Managed Service.









Our wide range of activities has covered several countries in the middle east region.

## Area of ODASCO services



## Area Served

■ UAE – Dubai

Oman - Muscat

UAE – Abu Dhabi

■ Jordan – Amman

Kuwait

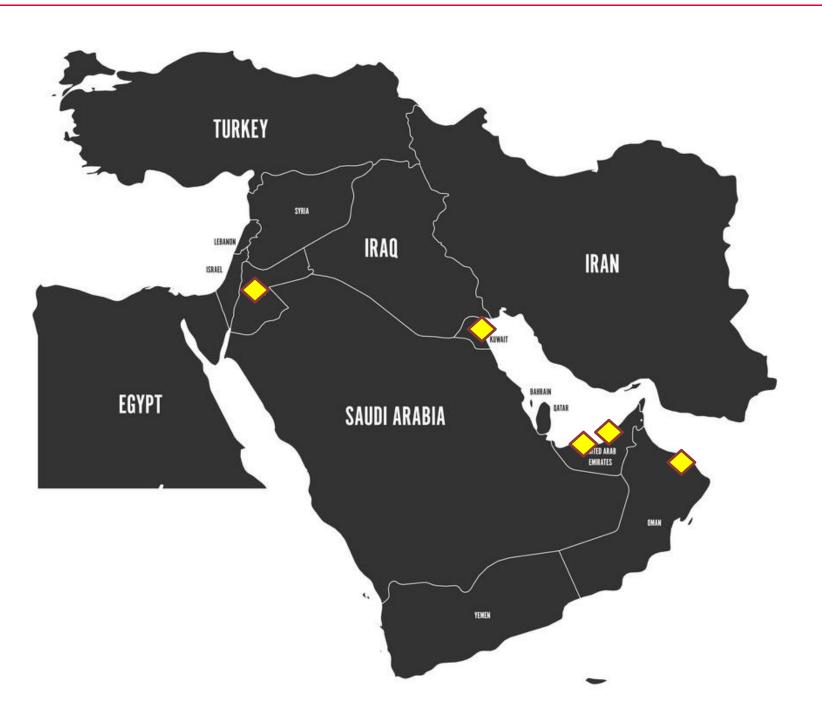
Ukraine - Poltava

❖ HQ Location : Dubai – UAE

**❖** Started : 1994

**CEO**: Mr. Saad Odeh

Number of Employees : 200++



## **ODASCO TELECOM SOLUTIONS**







ON-Grid BTS solutions

Hybrid BTS solutions

Energy
Management
& Monitoring
Systems











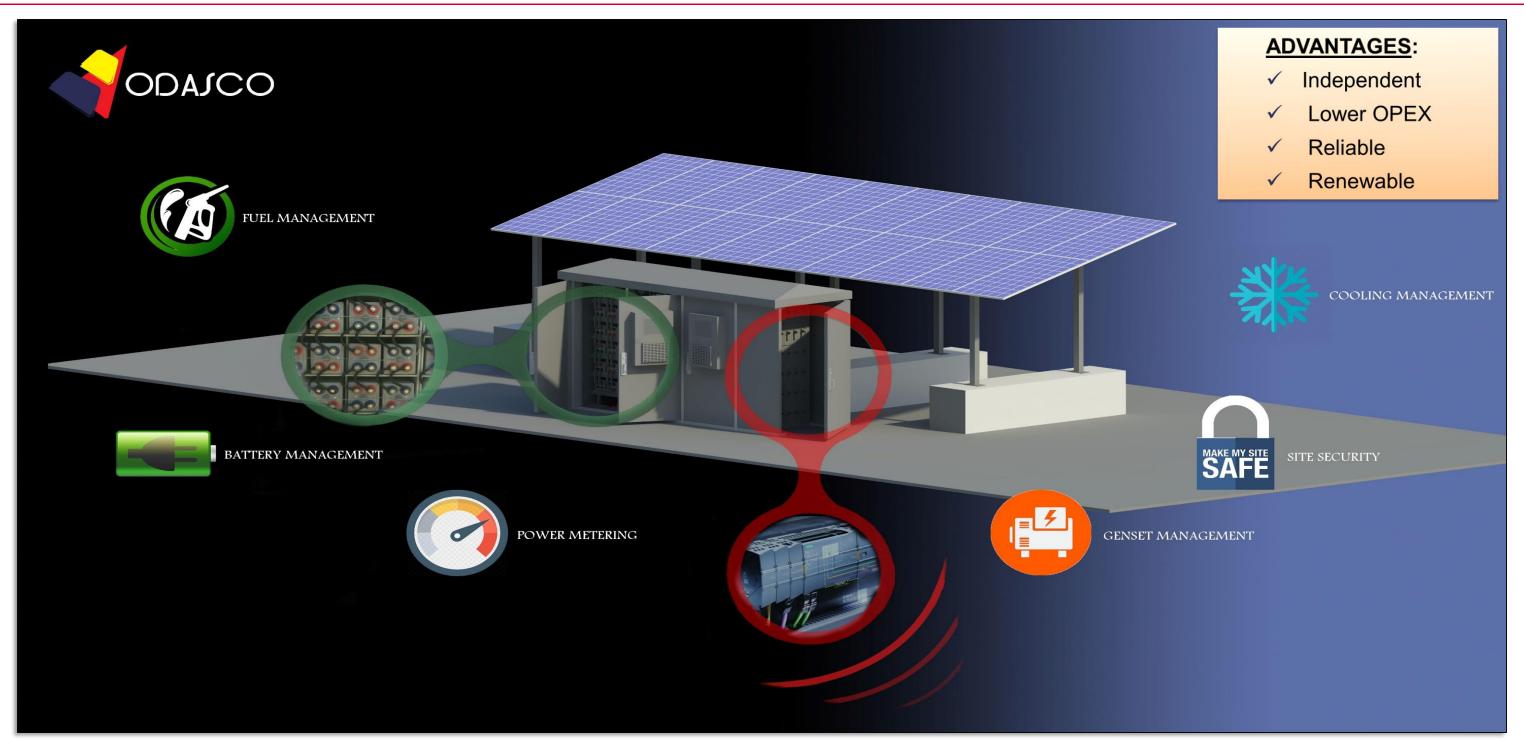






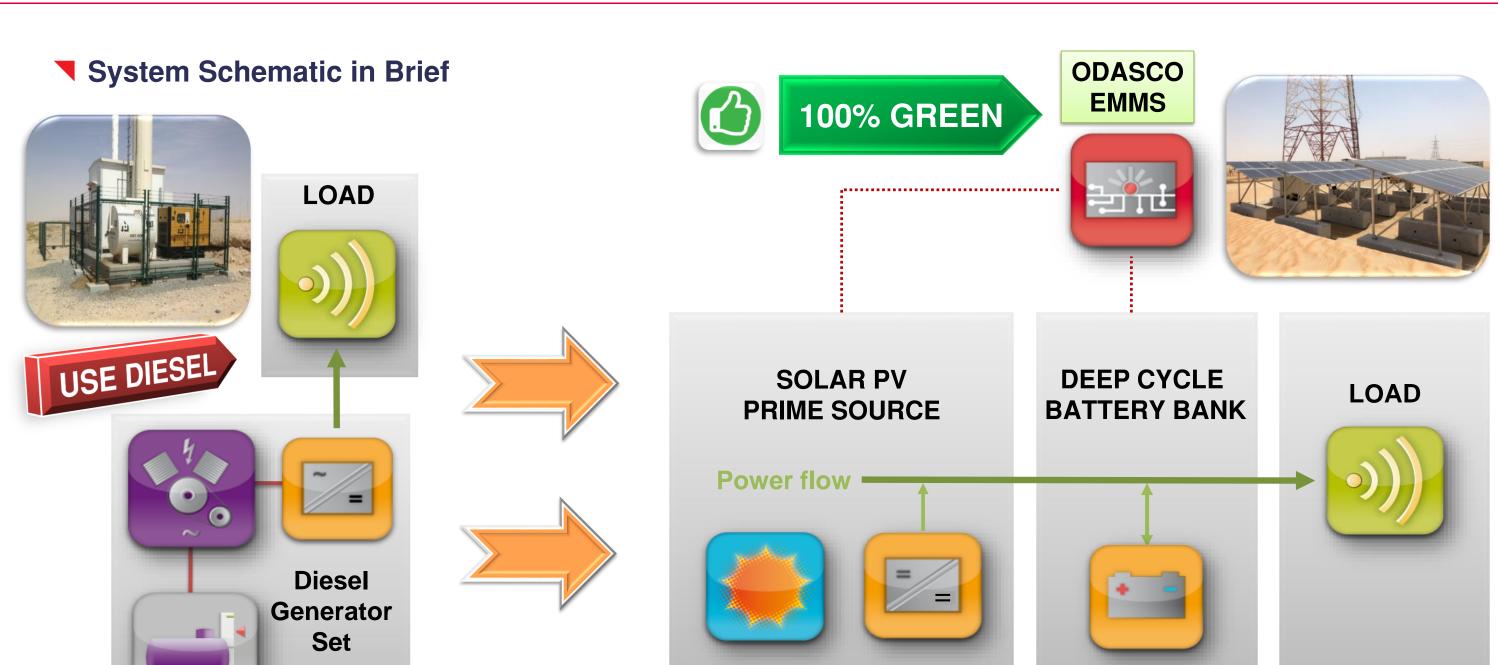
## **OFF-Grid Solar Solution**





# **System Explanation in Brief**

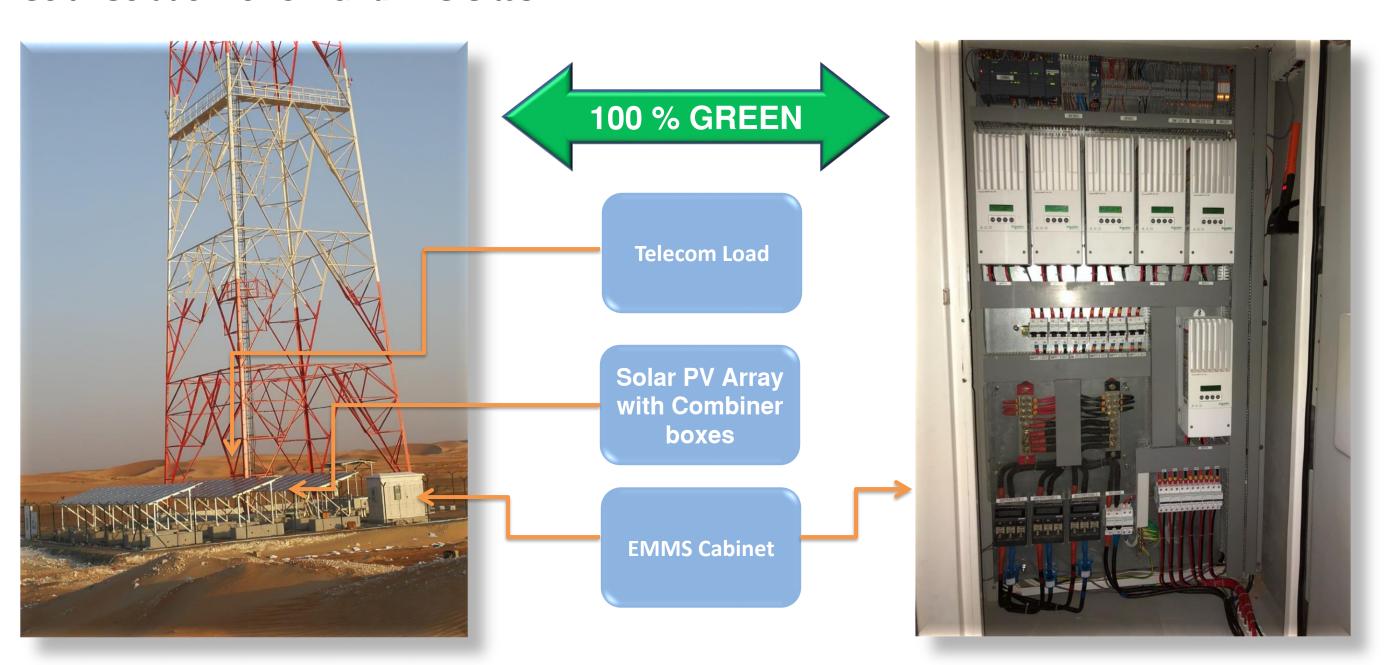




# Actual application in UAE (Du telecom)



## **▼** Solar Solution for Off-Grid BTS Sites

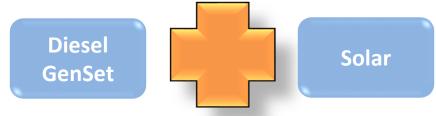


# Hybrid Solar System for Telecom BTS



## **▼ Hybrid Solar Systems in Telecom Applications**



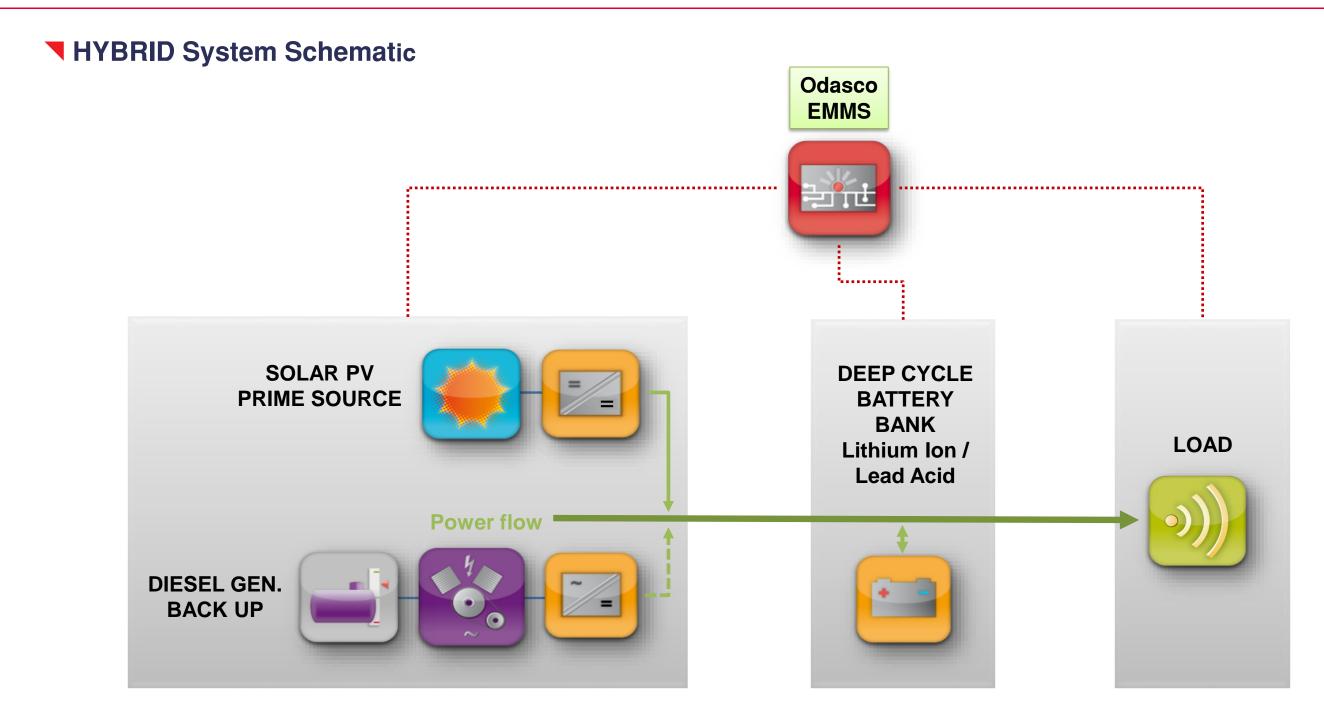


### **ADVANTAGES:**

- ✓ Seamless Transition between Sources
- ✓ Reliable
- ✓ Fewer Maintenance expenses
- ✓ Efficient Fuel Management

# Hybridized Solar Schematic





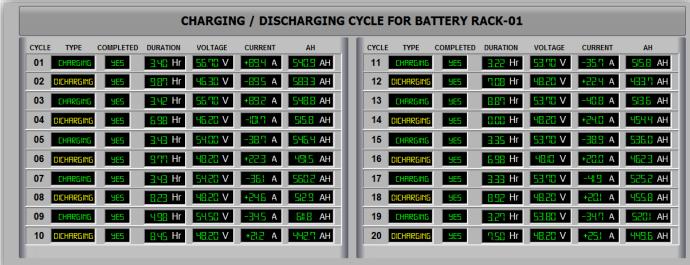
# EMMS - Energy Management & Monitoring System

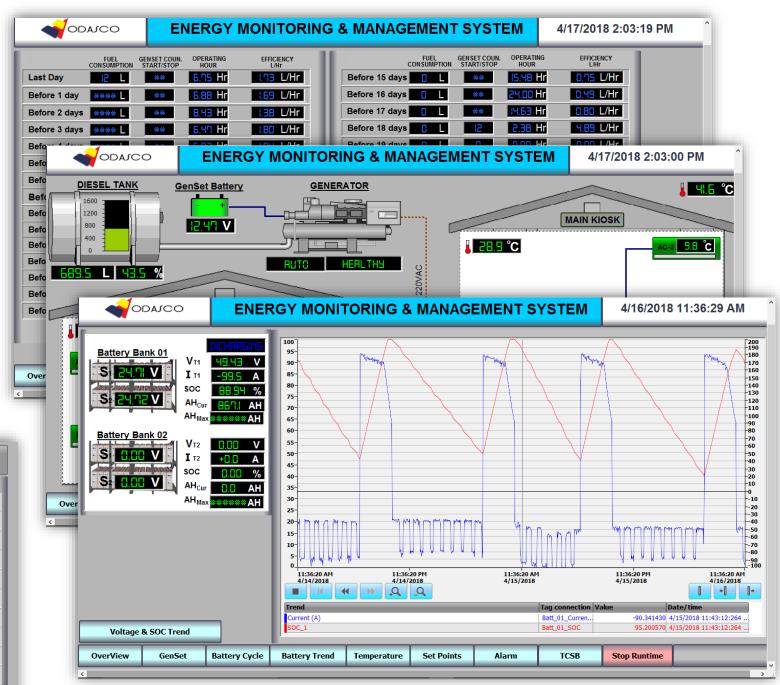


# Energy Management and Monitoring System (EMMS)

ODASCOs EMMS solution is build on **non-proprietary**, German tier-1 automation hardware (Siemens) for maximum flexibility, reliability and functionality while guaranteeing availability across the globe.

- Remote management and monitoring
- ✓ Easy custom report generation
- ✓ Battery lifetime optimization





# **ODASCO** Vertical Solar Solutions Off- Grid (Small area utilization)



### **▼ Vertical Solar Solutions**



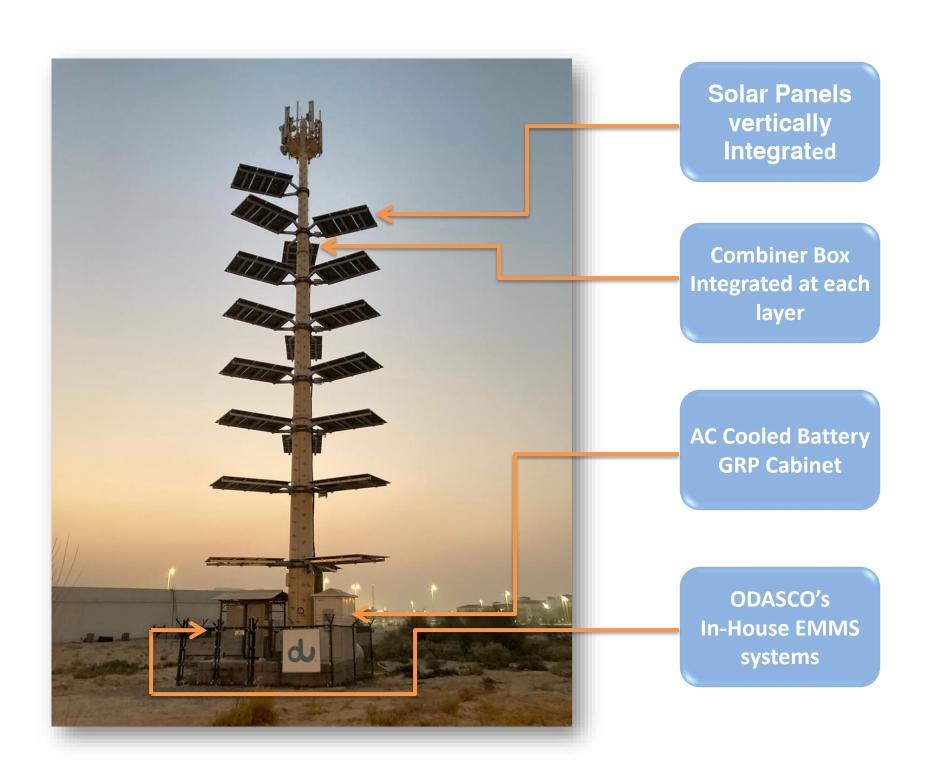
# PATENT PENDING TECHNOLOGY

### **ADVANTAGES:**

- ✓ Independent
- ✓ No Land Space required
- ✓ Reliable
- ✓ Renewable
- ✓ Clean



Applicable for 5G loads



## **ON-Grid Solar On Tower**



### ON-Grid Verticle Solar Solutions

The same Vertical Solar solution can be incorporated with an On Grid site. Hence benefiting from FIT or feed in tariff on a BTS structure and reducing huge utility bills without the requirement of a traditional huge space for Solar system.



100% GREEN

PATENT PENDING TECHNOLOGY

### **ADVANTAGES:**

- 1. Seamless Transition between Utility Source and Solar system
- 2. No Land Space required
- 3. Reliable
- 4. Renewable
- 5. Massive savings in terms of Utility Bills



# EPC services and Site set-up for BTS towers













Odasco L.L.C., Jan 2021



# Commercial Solution / Telecom Asset Management

# Telecom Solution Comparison



### SOLUTION COMPARISON

Choosing the right solution depends on a multitude of variables and circumstances – of both the site and the client. Not every solution fits every situation. ODASCO will propose the most suitable and financially viable option.

ltem	Genset	Genset + Solar + Battery	Solar + Battery
Initial Investment	\$	\$\$	\$\$\$
OPEX	\$\$\$\$	\$\$	\$
Genset Runtime	high	medium	-
Fuel Consumption	high	low	-
Battery Lifetime	-	long	long
Risk of Blackout	high	very low	very low

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## **Telecom Commercial Solutions**



### **▼ LONG-TERM LEASE & BUY LEASE BACK ASSET**

To minimize the financial burden, ODASCO can offer *long-term rental* and *lease-to-own contracts* which help clients to realize capital intensive projects while preserving the \$ Bottom Line \$

Option applies to all turn-key solar + battery hybrid systems and Solar on Tower Solutions. Rented and leased system also contain our sophisticated Energy Management and Monitoring System for better control and transparency. (All lead to a reduced OPEX)

Long Term Lease (Reduced OPEX based on BOT)	Buy & Lease back assets + Reduced OPEX		
Up to Date Efficient Energy Practice			
Worry-free			
Lease OPEX periods between 5 and 15 years	Lease OPEX periods between 10 and 25 years		
Reduces Cost drastically	Gives capital back to client + cost effective		
Transfer of ownership for greater savings (BOT basis)	Runs on BOO basis		
Performance Guarantee			

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# Worldwide Track record in Telecom Sector

# Reference projects with telecom clients – through JV partners

















### Du telecom – UAE

More than 300 ++ sites of solar PV and Disesel generator saving solutions

## **▼** Indonesia and Myanmar

137 Turnkey Genset Efficiency solutions

## **▼ Mozambique**

Remote telecom data towers energy monitoring and auditing for more than 400 sites.

## Track Record – Du telecom UAE



## **▼** Solar Solution for Off-Grid BTS Sites in UAE

Client: Emirates Integrated Telecommunications Company, PJSC (du)

**Location:** UAE

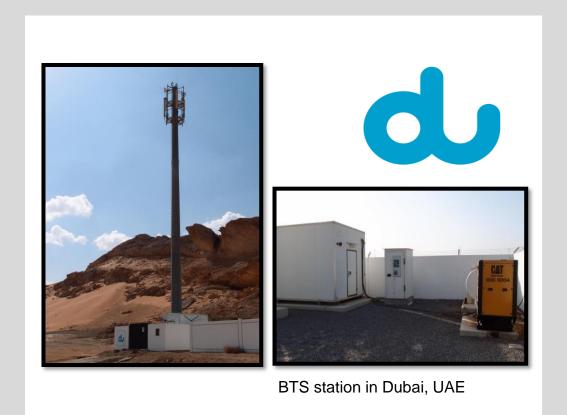
**Project Size:** 1.5MW of Solar System – 8.4 MWH of storage capacity





## Track Record – Turnkey Genset Efficiency solutions





# **CUSTOMER VALUE**

Reduction of diesel consumption and genset maintenance costs.

### **CUSTOMER**

Emirates Integrated Telecommunication Company PJSC ("du"); Dubai, UAE

### **DESCRIPTION**

du is an innovative, dynamic telecommunication services provider. With a rapidly increasing market share and a total of 4,993,600 active mobile subscribers it is the fastest growing telecom company in the UAE.

#### **PROJECT**

Genset hybridization to increase efficiency and decrease runtime along with O&M costs. A separate battery shelter with an independent cooling solution was customized to fit the UAE environment.

### **REALISATION**

Already installed 350Turnkey GenSet Efficiency Solutions 75 Energy Management Systems

## **Contact Information**



# For more information, please contact

**ODASCO L.L.C.** 

info@odasco.com

www.odasco.com