

# E24 Capabilities



**E24**<sup>®</sup>

# Energy Generation

A large array of solar panels is shown under a sunset sky. The panels are arranged in a grid pattern and are illuminated by the warm, golden light of the setting sun. The sky transitions from a bright orange near the horizon to a deep blue at the top.

## Applications:

- **Solar Parking**
- On-Grid Solar
- Off-Grid Solar
- Hybrid Solar(Off-grid and on-grid)
- Solar Water Pumping
- Modular, Stackable Solar/Diesel

E2L<sup>®</sup>

# Energy Generation

Solar Parking  
eParking Solution

Off-Grid Solar system 300KWp  
Bkerzay Village  
Lebanon

E24<sup>®</sup>

# Energy Generation

Solar Parking  
eParking Solution

Off-Grid Solar system 180KWp  
Tunisia

E2L<sup>®</sup>

# Energy Generation

Solar Parking  
eParking Solution

Off-Grid Solar system American University of Cairo  
250KWp  
Egypt

E24<sup>®</sup>

# Energy Generation

Solar Parking  
eCarport Solution

Off-Grid Solar system 20KWp / 96KWh  
Villa Osseiran  
Lebanon

E2L<sup>®</sup>

# Energy Generation

A large array of solar panels is shown under a sunset sky. The panels are arranged in a grid pattern and are illuminated by the warm, golden light of the setting sun. The sky transitions from a bright orange near the horizon to a deep blue at the top.

## Applications:

- Solar Parking
- **On-Grid Solar**
- Off-Grid Solar
- Hybrid Solar(Off-grid and on-grid)
- Solar Water Pumping
- Modular, Stackable Solar/Diesel

E2L<sup>®</sup>

# Energy Generation

On-Grid Solar  
eSolar Solution

On Grid Solar system 600KWp  
International College  
Nigeria

E24<sup>®</sup>





# Energy Generation

On-Grid Solar  
eSolar Solution

On Grid Solar system 600KWp  
International College  
Nigeria

e24<sup>®</sup>

# Energy Generation

On-Grid Solar  
eSolar Solution

On Grid Solar  
system 200KW  
Meker - Lebanon

On Grid Solar system 350KWp  
Meker Factory  
Lebanon

E24<sup>®</sup>

# Energy Generation

On-Grid Solar

eSolar Solution (Diesel – Solar Application)



On Grid Solar system 350KWp  
Meker Factory  
Lebanon



**E2L**®

# Energy Generation

A large array of solar panels is shown under a sunset sky. The panels are arranged in a grid pattern and are illuminated by the warm, golden light of the setting sun. The sky transitions from a bright orange near the horizon to a deep blue at the top.

## Applications:

- Solar Parking
- On-Grid Solar
- Hybrid Solar
- Solar Water Pumping
- Modular, Stackable Solar/Diesel

E2L<sup>®</sup>

# Energy Generation

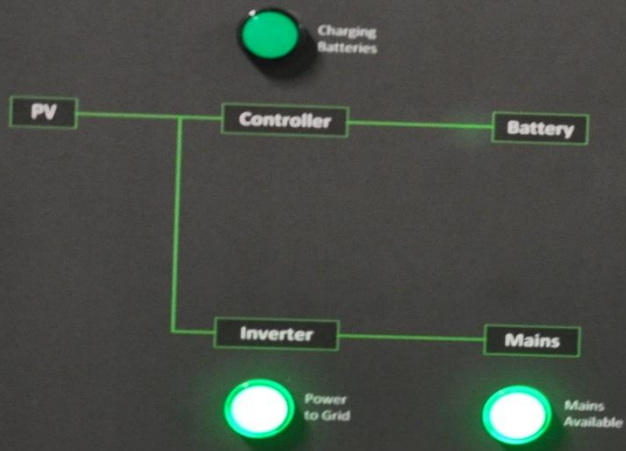
Hybrid (on-grid and off-grid) Solar  
eSolar Hybrid Solution

VILLA ASSEILY  
120KW / 432KWh

**eSOLAR**<sup>®</sup>

# Energy Generation

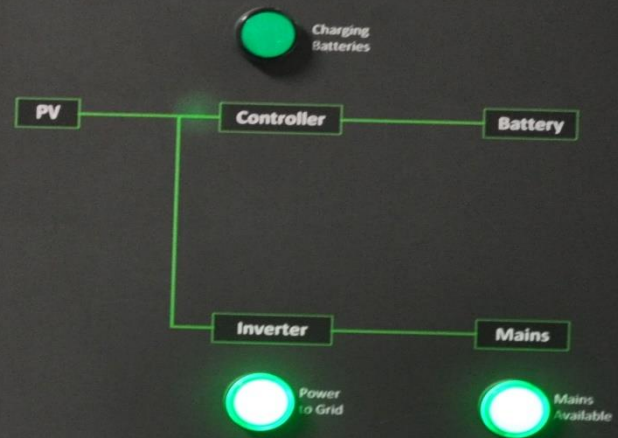
Hybrid (on-grid and off-grid) Solar  
E24 Hybrid PV Controllers



VILLA ASSEILY  
120KW / 432KWh



Hybrid PV Controller  
PVC3-134K0-1



E24<sup>®</sup>

# Energy Generation

Hybrid (on-grid and off-grid) Solar  
eSolar Hybrid Solution

Off Grid Solar system 550 KWp, 160KWh  
JAGUAR – LAMBERGINI - BENTLEY

**e24**<sup>®</sup>

# Energy Generation

A large array of solar panels is shown under a sunset sky. The panels are arranged in a grid pattern and are illuminated by the warm, golden light of the setting sun. The sky transitions from a bright orange near the horizon to a deep blue at the top.

## Applications:

- Solar Parking
- On-Grid Solar
- Off-Grid Solar
- Hybrid Solar(Off-grid and on-grid)
- **Solar Water Pumping**
- Modular, Stackable Solar/Diesel

E2L<sup>®</sup>



# Energy Generation

Solar Water Pumping  
eAgri Solution

Water Pumping Solar system 20 KWp  
Canelle Farms

E2L<sup>®</sup>



# Energy Generation

A large array of solar panels is shown under a sunset sky. The panels are arranged in a grid pattern and are illuminated by the warm, golden light of the setting sun. The sky transitions from a bright orange near the horizon to a deep blue at the top.

## Applications:

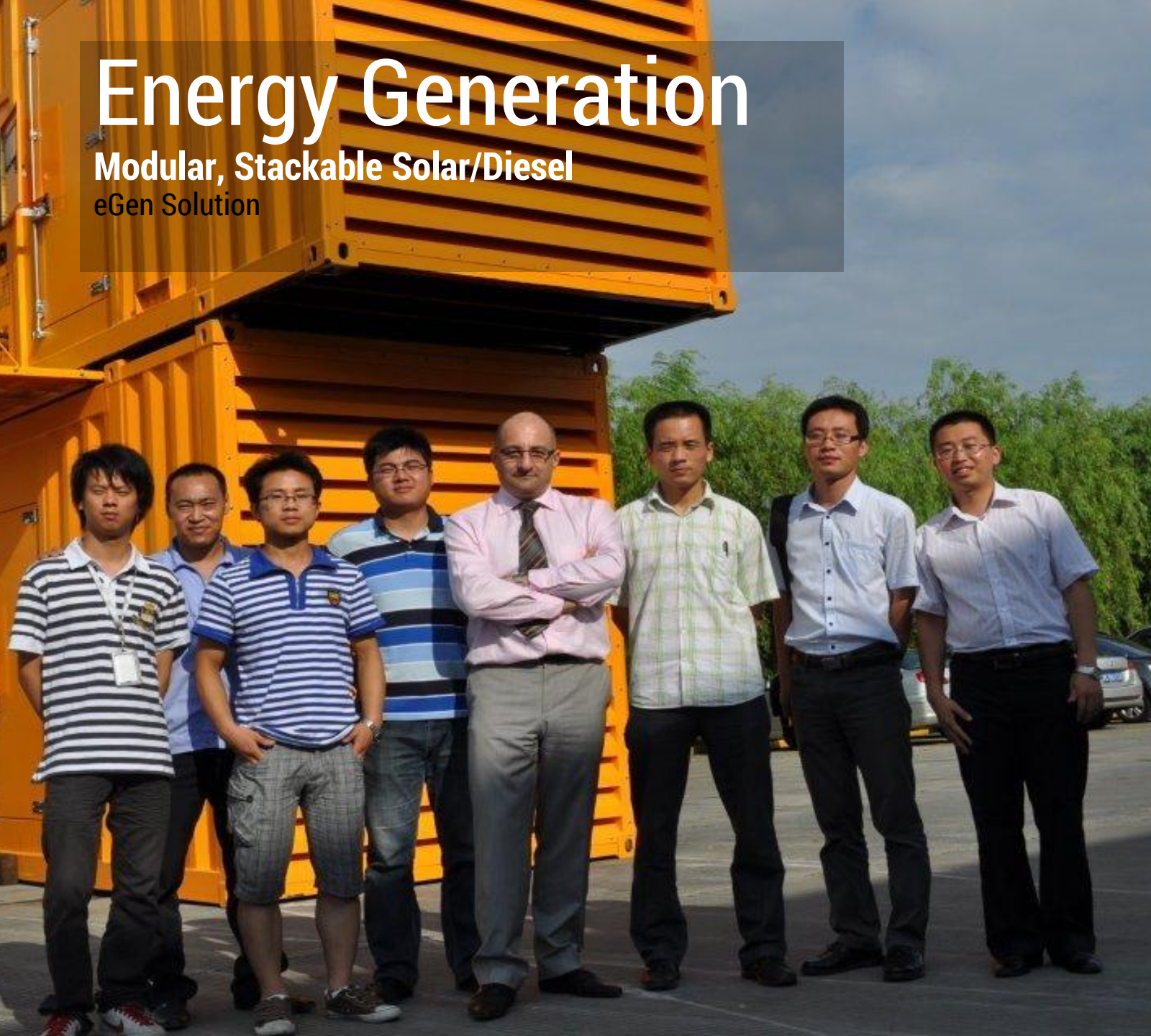
- Solar Parking
- On-Grid Solar
- Off-Grid Solar
- Hybrid Solar
- Solar Water Pumping
- **Modular, Stackable Solar/Diesel**

E2L<sup>®</sup>

# Energy Generation

Modular, Stackable Solar/Diesel

eGen Solution



**E2L**<sup>®</sup>

# Energy Generation

Modular, Stackable Solar/Diesel  
eGen Solution

Diesel Power Plant  
14MW Diesel  
EMAAR  
Saudi Arabia



**E24**<sup>®</sup>

# Energy Conversion

A photograph of a server room. The room is filled with rows of server racks. The racks are grey and have many blue and red connectors on the front. Above the racks, there are metal cable trays with many black cables running through them. The room has yellow walls and fluorescent lights on the ceiling.

**Applications:**

- UPS Systems

**E2L<sup>®</sup>**

# Energy Conversion

UPS System

E24 Potable UPS  
600W

E24<sup>®</sup>

# Energy Conversion

UPS System

Uninterrupted Power 60KW  
Abu Dhabi Police  
UAE

E2L<sup>®</sup>



# Energy Conversion

UPS System

Uninterrupted Power 120KW  
Dubai Airport  
UAE

E2L<sup>®</sup>



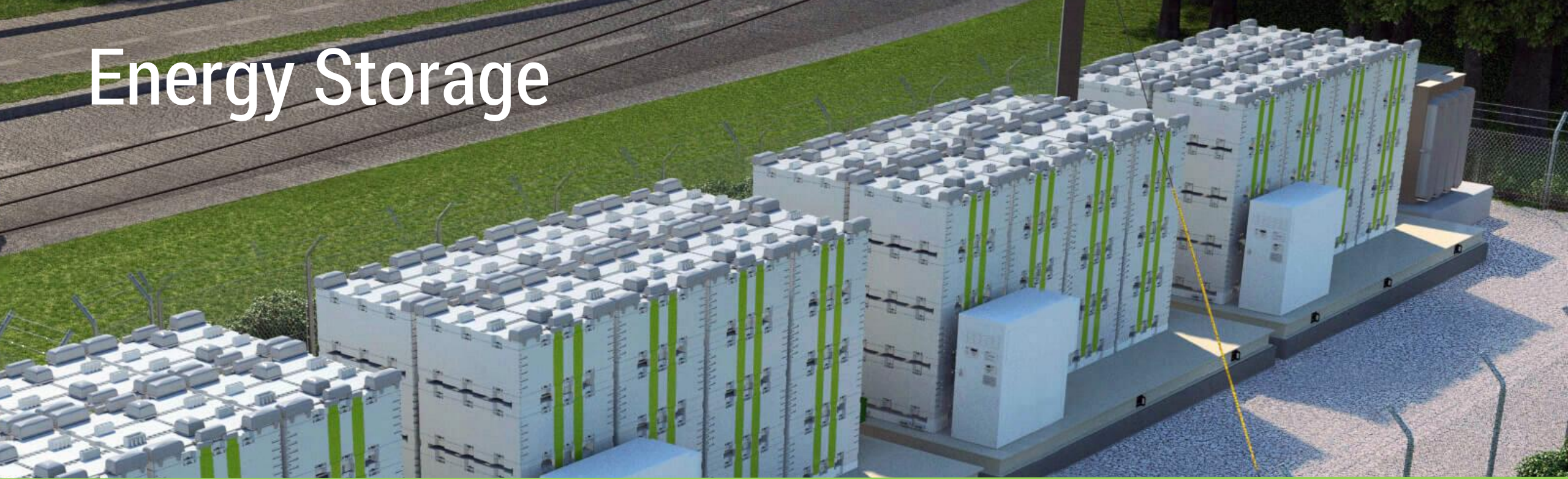
# Energy Conversion

UPS Systems

Uninterrupted Power 250KW  
Kenia

E2L<sup>®</sup>

# Energy Storage



## Applications:

- eHome
- eVilla
- eBusiness
- eBuilding
- eVillage
- eFactory
- eTelecom

**E2L**<sup>®</sup>

# Energy Storage

eHome Solution

Off Grid Solar system 20KWp / 40KWh  
Villa Carlos Heneine  
Lebanon

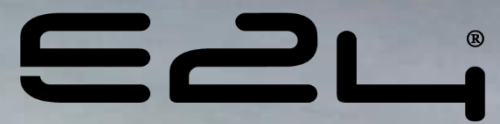
**E24<sup>®</sup>**

# Energy Storage

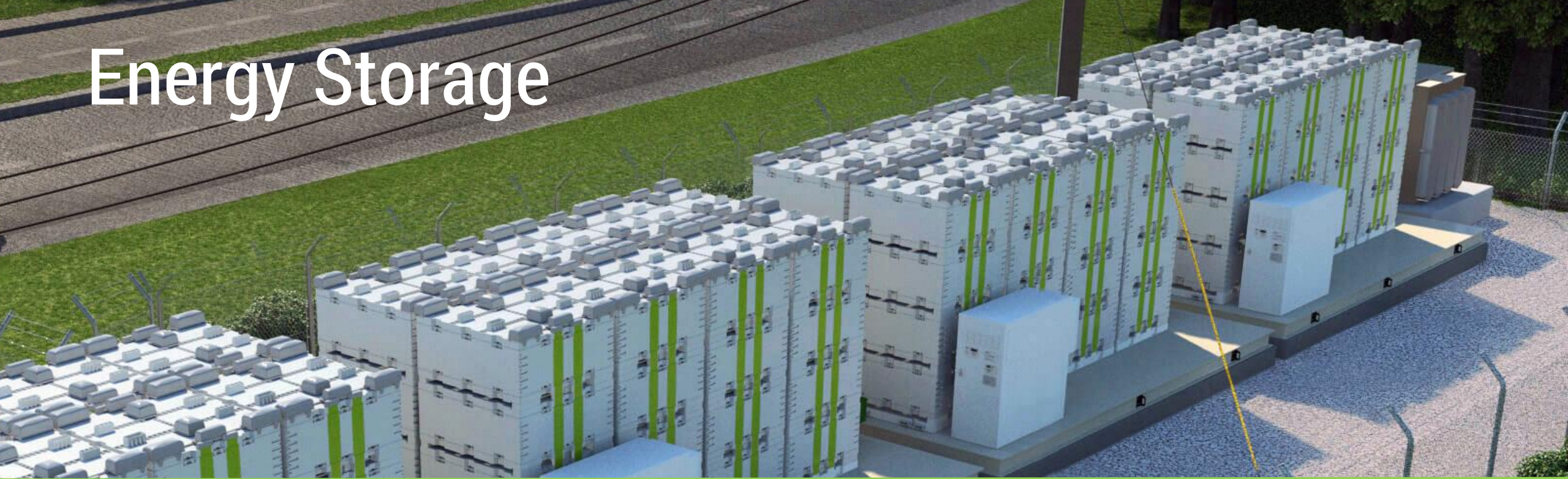
eHome Solution



Off Grid Solar system 20KWp / 40KWh  
Villa Carlos Heneine  
Lebanon



# Energy Storage



## Applications:

- eHome
- **eVilla**
- eBusiness
- eBuilding
- eVillage
- eFactory
- eTelecom

**E2L**<sup>®</sup>

# Energy Storage

Residential / Small Business Applications  
eVilla Solution

Off Grid ESS System 440KWh  
Villa Henry Asseily



# Energy Storage

Residential Applications

eVilla Solution

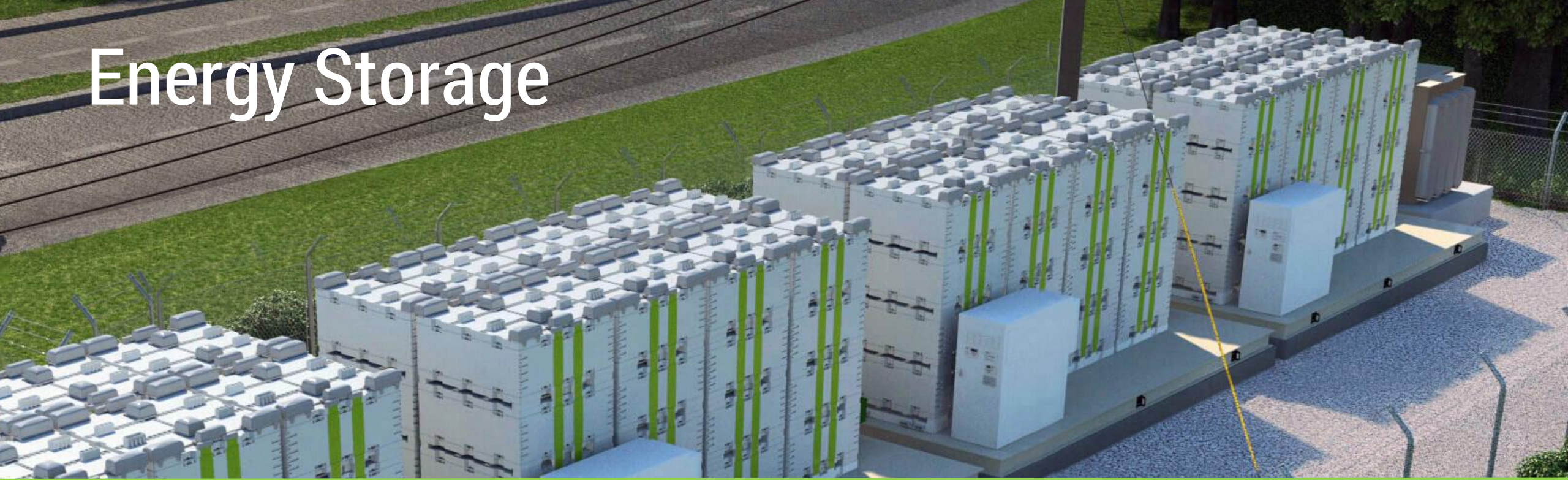
E2L™

E2L

Off Grid Solar system 20KWp / 256KWh

E2L®

# Energy Storage



## Applications:

- eHome
- eVilla
- **eBusiness**
- eBuilding
- eVillage
- eFactory
- eTelecom



# Energy Storage

Business Applications

eBusiness Solution

Solar and Energy Storage 120KW, 400KWh  
Dar Alicia Hotels  
Lebanon

E2L<sup>®</sup>



# Energy Storage

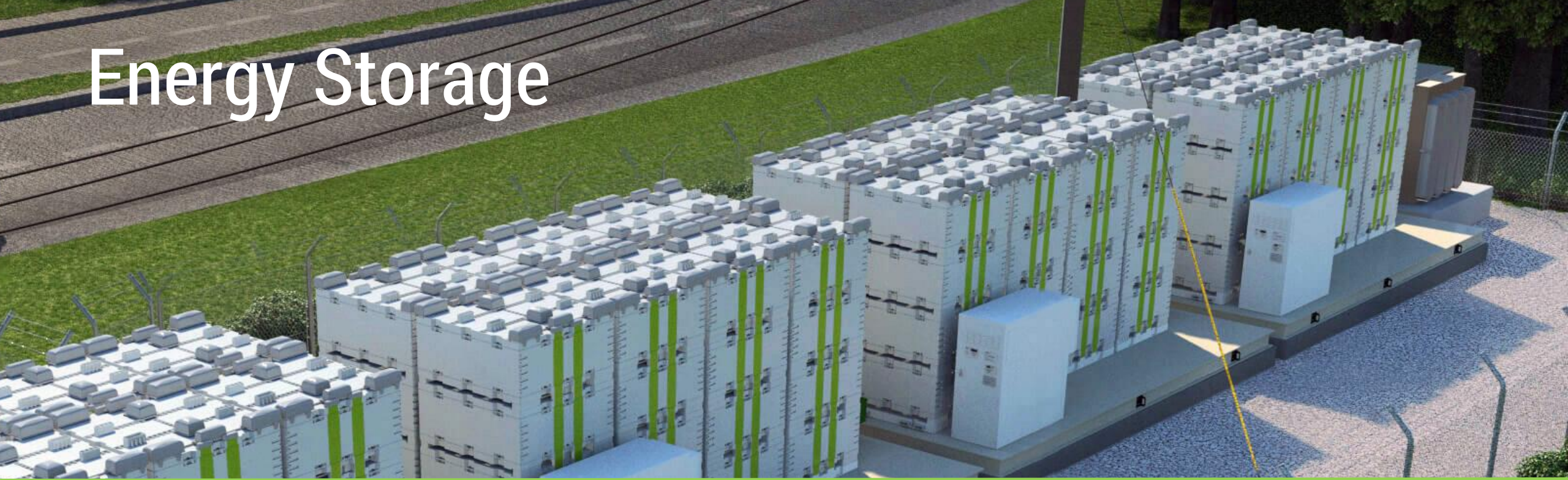
Business Applications

eBusiness Solution

Solar and Energy Storage 120KW, 400KWh  
South Africa

E2L<sup>®</sup>

# Energy Storage



## Applications:

- eHome
- eVilla
- **eBusiness**
- eBuilding
- eVillage
- eFactory
- eTelecom

# Energy Storage

Business Applications

eBusiness Solution

Solar and Energy Storage 40KWp, 144KWh  
Kenia



E24®

# Energy Storage

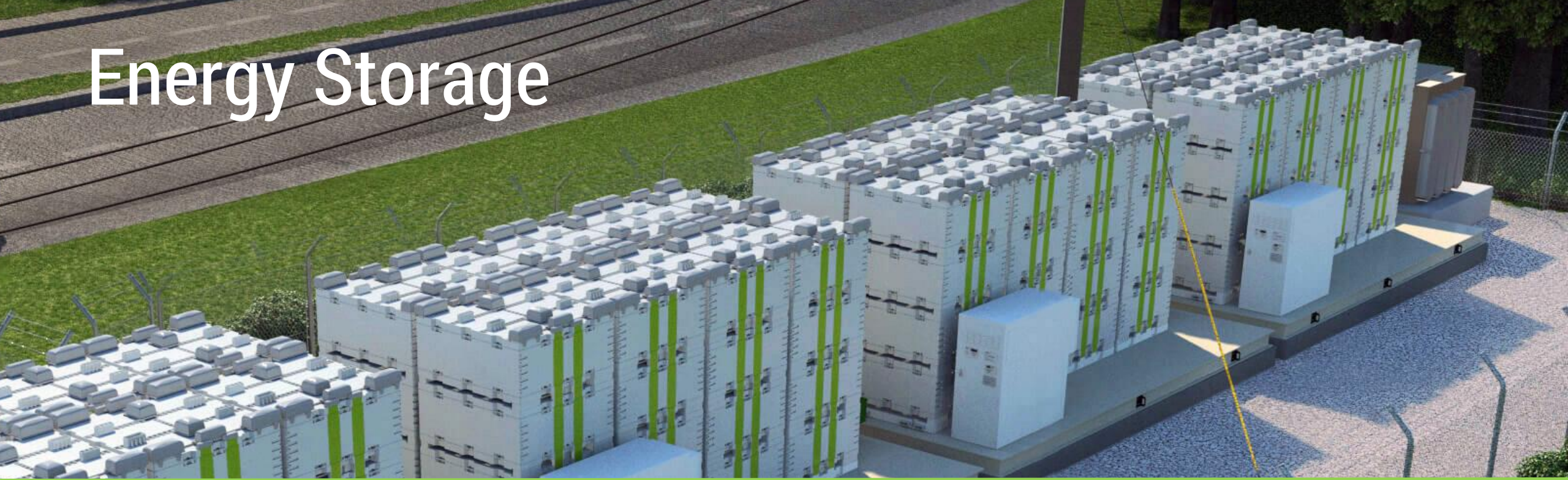
Business Applications  
eBusiness Solution

Solar and Energy Storage 80KW, 250KWh  
South Africa

The logo for E2L, consisting of the letters 'E2L' in a stylized, white, sans-serif font. The '2' is smaller and positioned between the 'E' and 'L'. A registered trademark symbol (®) is located to the right of the 'L'.

E2L<sup>®</sup>

# Energy Storage



## Applications:

- eHome
- eVilla
- eBusiness
- **eBuilding**
- eVillage
- eFactory
- eTelecom

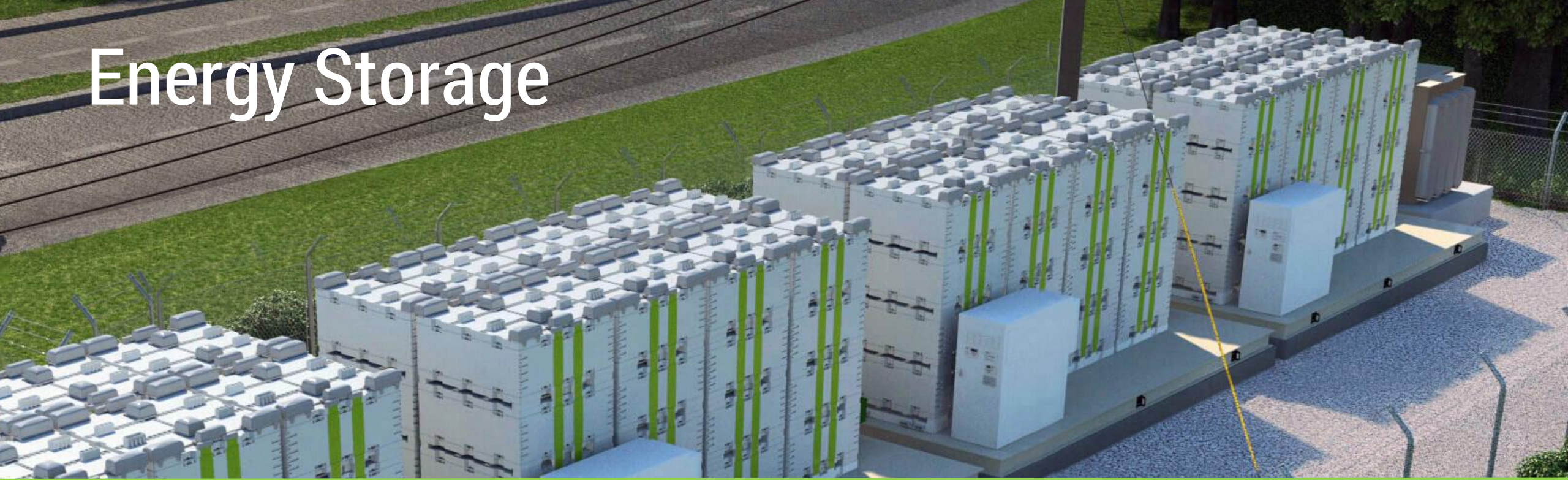
# Energy Storage

Business Applications  
eBuilding Solution

Shared Solar and Energy Storage 80KW, 250KWh  
8 Floors, 8 Residents  
Lebanon

e24<sup>®</sup>

# Energy Storage



## Applications:

- eHome
- eVilla
- eBusiness
- eBuilding
- **eFactory**
- eVillage
- eTelecom



# Energy Storage

Industrial Applications

eFactory Solution

Off Grid Solar system 550 KWp, 160KWh  
JAGUAR – LAMBERGINI - BENTLEY

E24<sup>®</sup>

# Energy Storage

Industrial Applications

eFactory Solution

Solar and Energy Storage 120KW, 400KWh  
For LAMBORGINI

Energy Storage  
Buffer

**E2L**

# Energy Storage

Industrial Applications  
eFactory Solution

120KW, 400KWh

Solar and Energy Storage 120KW, 400KWh  
For LAMBORGINI



E24<sup>®</sup>

# Energy Storage

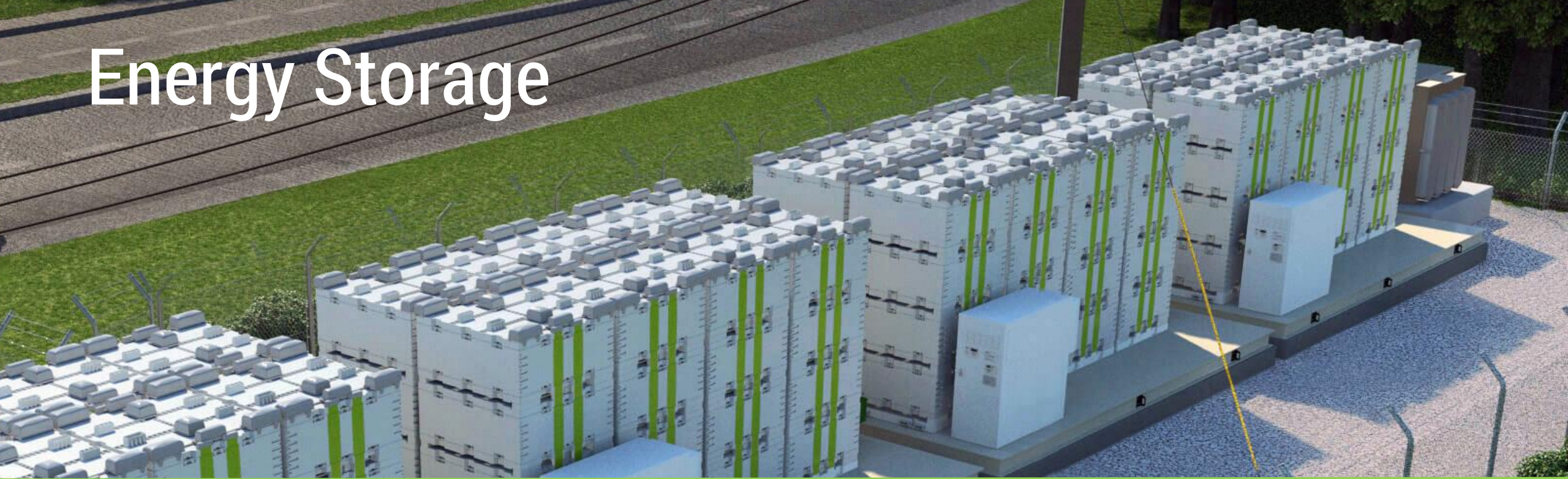
Industrial Applications

eFactory Solution

Solar and Energy Storage 120KW, 400KWh  
For LAMBORGINI`

E2L<sup>®</sup>

# Energy Storage



## Applications:

- eHome
- eVilla
- eBusiness
- eBuilding
- eFactory
- **eVillage**
- eTelecom

# Energy Storage

Municipal Applications

eVillage Solution



E2L<sup>®</sup>

# Energy Storage

Municipal Applications

eVillage Solution

Solar and Energy Storage 250KW, 400KWh  
For BKERZAI VILLAGE

E2L<sup>®</sup>

# Energy Storage

Municipal Applications  
eVillage Solution



Solar and Energy Storage 250KW, 400KWh  
For BKJERZAI VILLAGE

E2L®



# Energy Storage

Municipal Applications  
eVillage Solution

Solar and Energy Storage  
For BKERZAI VILLAGE  
250KW, 400KWh

E24<sup>®</sup>

# Energy Storage

Municipal Applications

eVillage Solution

Solar and Energy Storage 400KW, 1200KWh  
For BECHAALE VILLAGE

E2L<sup>®</sup>

# Energy Storage

## Municipal Applications

eVillage Solution (Deployment of Energy Storage Containers)

Solar and Energy Storage 400KW, 1200KWh  
For BECHAALÉ VILLAGE

E2L<sup>®</sup>

# Energy Storage

## Municipal Applications

eVillage Solution (Operation under Snow)

Solar and Energy Storage 400KW, 1200KWh  
For BECHAALÉ VILLAGE

E2L<sup>®</sup>

# Energy Storage

## Municipal Applications

eVillage Solution (Battery and Control Containers)

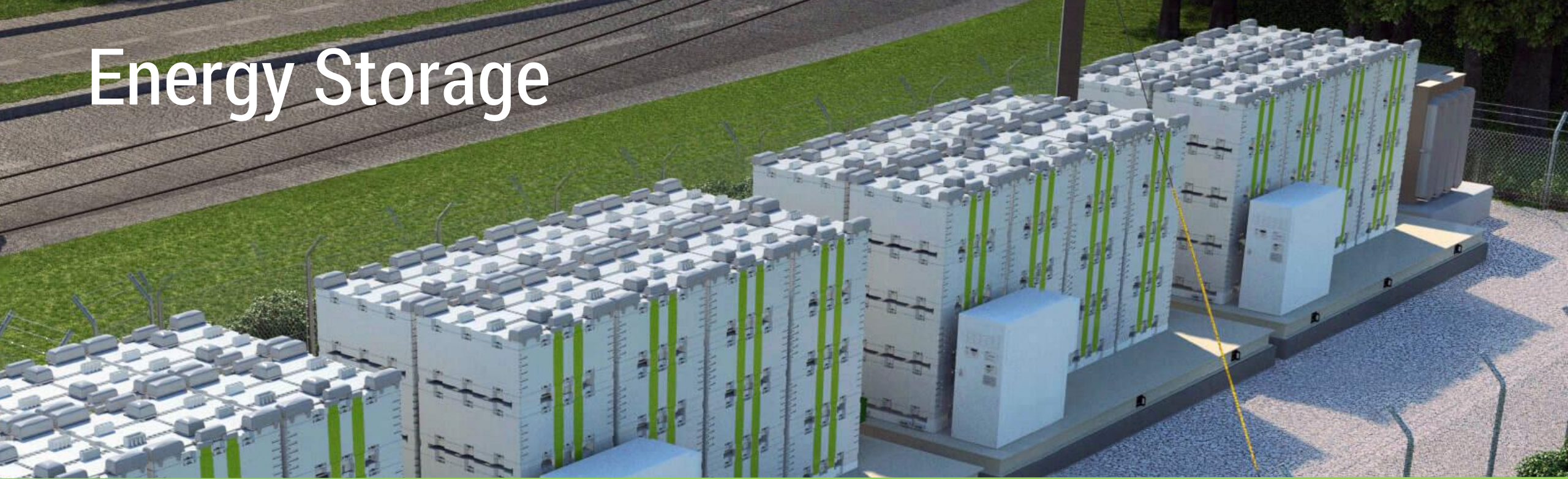
Solar and Energy Storage 400KW, 1200KWh  
For BECHAALE VILLAGE

E24



E24®

# Energy Storage



## Applications:

- eHome
- eVilla
- eBusiness
- eBuilding
- eFactory
- eVillage
- **eTelecom**

**E2L**<sup>®</sup>

# Energy Storage

Telecom Applications

eTelecom Solution

**E24<sup>®</sup>**

360 - eTelecom Solution

S360-03K-176-12

[www.e24solutions.com](http://www.e24solutions.com)

Solar and Energy Storage

For Cellular Telecommunication Towers

10KW, 240KWh

**E24<sup>®</sup>**

# Energy Storage

**Telecom Applications**

eTelecom Solution (Generator Side)

Solar and Energy Storage 10KW, 240KWh  
For Cellular Telecommunication Towers

E24<sup>®</sup>



# Energy Storage

## Telecom Applications

eTelecom Solution (Energy Storage and Control)

Solar and Energy Storage 10KW, 240KWh  
For Cellular Telecommunication Towers

E24<sup>®</sup>

# Energy Storage

Telecom Applications

eTelecom Solution (Software Programing)

Solar and Energy Storage 10KW, 240KWh  
For Cellular Telecommunication Towers

E2L<sup>®</sup>



# Energy Transmission & Billing

## Applications:

- **MV4 Transmission Solution**
- Energy Meters and Energy Cards
- Assembly Activity

# Energy Transmission & Billing

Rural Applications

MV4 Medium Voltage cable deployment

Medium Voltage Cable Installation  
400 Villas



E24<sup>®</sup>

# Energy Transmission & Billing

Rural Applications  
MV4 Step Down Cabinet

Medium Voltage Smart Step-Down Unit  
400 Villas, 4.8KV

E24

E24<sup>®</sup>

# Energy Transmission & Billing

## Rural Applications

MV4 Step Down Cabinet (Under Extreme Conditions)

Medium Voltage Distribution  
400 Villas, 4.8KV

E24<sup>®</sup>



# Energy Transmission & Billing

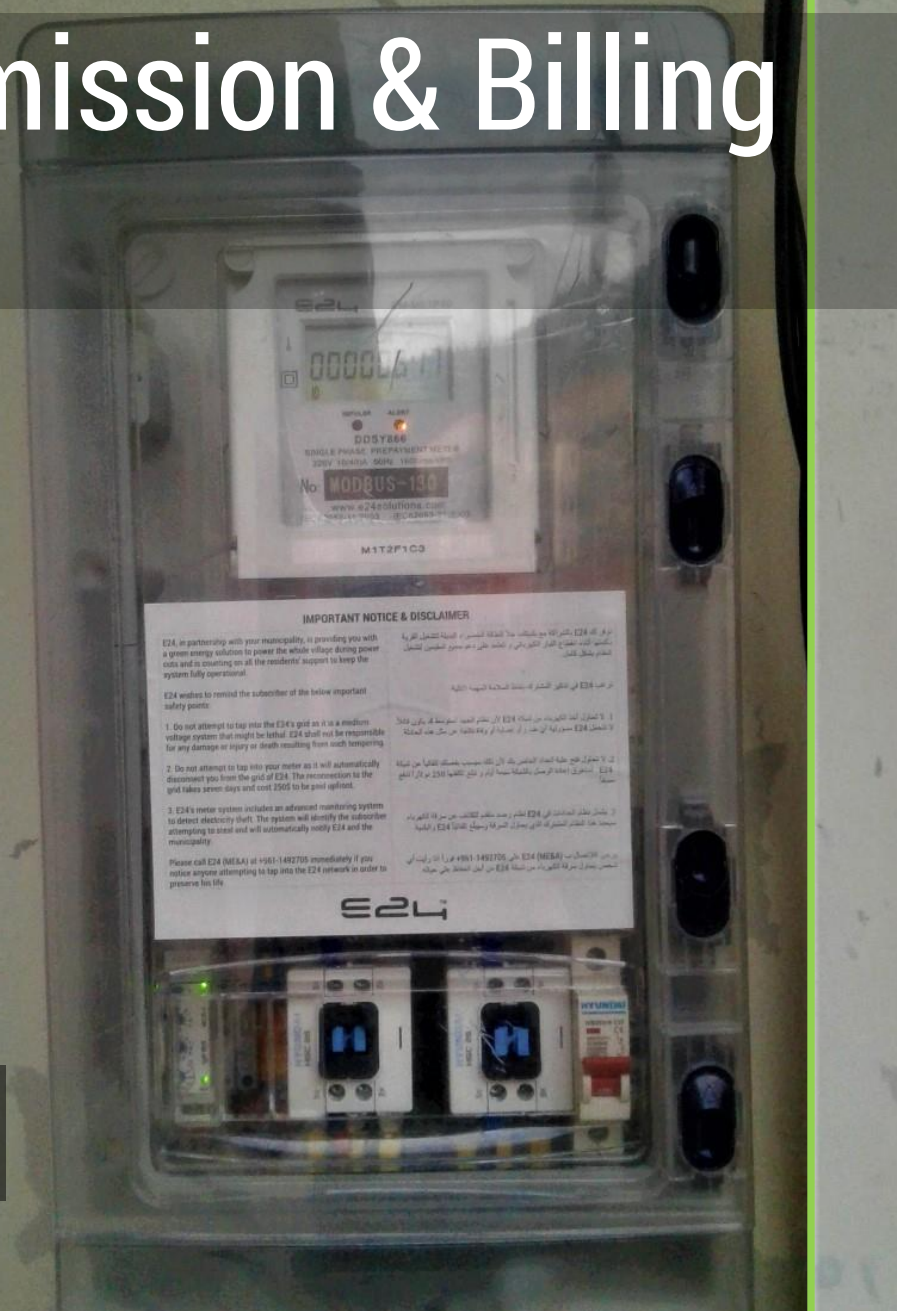
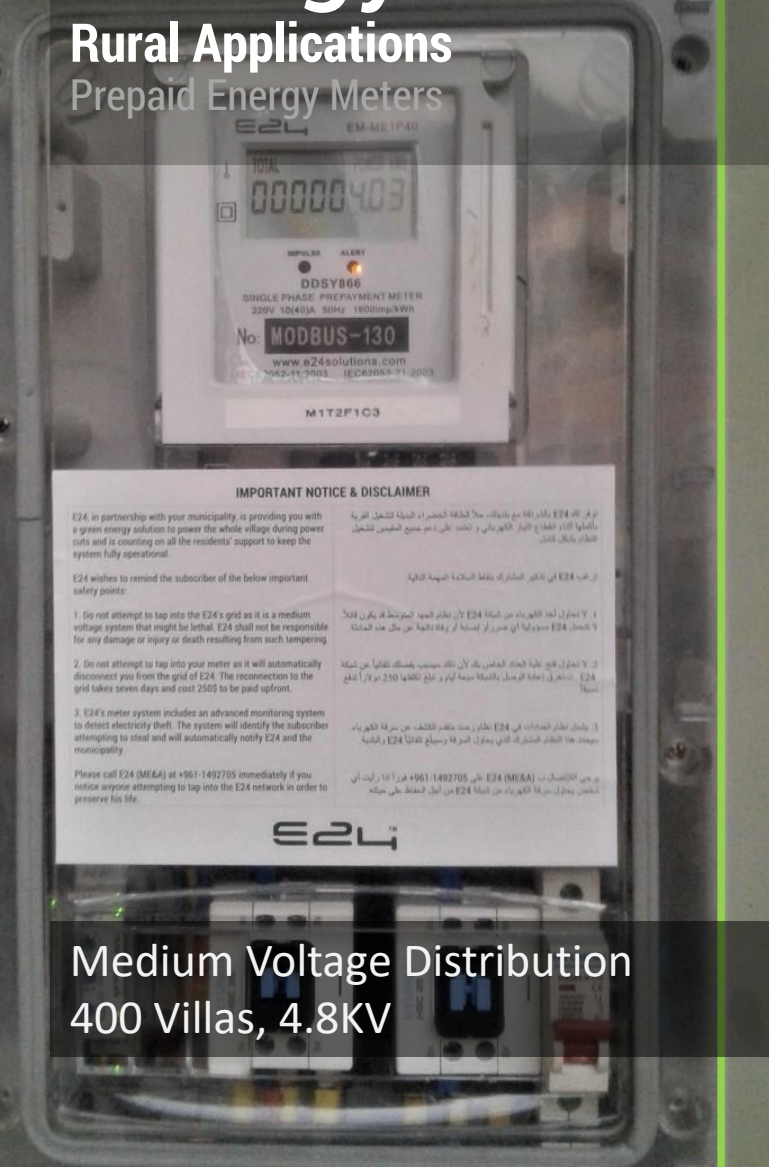
## Applications:

- MV4 Transmission Solution
- **Energy Meters and Energy Cards**
- Assembly Activity

**E24**<sup>®</sup>

# Energy Transmission & Billing

Rural Applications  
Prepaid Energy Meters



Medium Voltage Distribution  
400 Villas, 4.8KV





# Energy Transmission & Billing

Rural Power Transmission Applications  
eBuiding Prepaid Energy Cards



E24 Prepaid Energy Cards

E24<sup>®</sup>

# Assembly Activity



# Assembly Activity



Assembly of Smart Power Meters



Assembly of Custom Designed Electric control Panels

E24®

# Cloud Monitoring



# Cloud Monitoring History Log



E24 Advanced Cloud Based Energy  
Monitoring Tools

# Cloud Monitoring

Client Cloud Platform



E24 Advanced Cloud Based Energy Monitoring Tools

