



LEOCH BATTERY

Application Case Collection

Data Centre ▪ UPS ▪ Telecom



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www.leoch.com
Stock Code: 00842.HK

About LEOCH BATTERY

Established in 1999, LEOCH BATTERY (stock code: 00842.HK) is a globally recognized leader in power solutions. Our headquarters are located in the dynamic business hub of Singapore, where we actively contribute to the development of various international industrial standards.

With an extensive global presence, LEOCH BATTERY operates 14 state-of-the-art manufacturing facilities spanning a total area of 1.5 million square meters. Our global footprint includes over 70 local service companies, and we are proud to be a home to a dedicated workforce of 13,000 employees, including more than 1,500 highly skilled R&D and technical experts.

LEOCH BATTERY is your trusted partner for industrial and commercial energy storage solutions. Our expertise covers every aspect of the industry, from cutting-edge research and development to top-notch manufacturing, robust sales, and comprehensive services. We proudly serve clients in over 130 countries and regions worldwide.

At LEOCH BATTERY, we specialize in delivering tailored power solutions for a wide spectrum of industrial and commercial applications across the globe. Our product and service portfolio is strategically designed to meet the diverse needs of our clients, including:

- Energy Storage Systems
- Telecom & Data Center Power Solutions
- Starting Power Solutions
- Motive Power Solutions
- Battery Recycling

With a commitment to excellence, innovation, and sustainability, LEOCH BATTERY is dedicated to empowering businesses around the world with reliable, cutting-edge power solutions.

Production Bases



Jiangsu I , II



Zhaoqing



Anhui UPLUS



Anhui



Malaysia MSB



Sri Lanka



Malaysia



India



Anhui Dahua



Vietnam I , II



Anhui Lithium



Mexico



Global Leader in
Battery Manufacturing

14

Production Bases

3000+

Products Categories

26.7^{GWh}

Annual Capacity

130+

Regions

13000+

Employees Worldwide



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Commonwealth Bank of Australia Data Center

Organization introduction

The Commonwealth Bank of Australia, the largest commercial bank in Australia, was established in 1912. The Commonwealth Bank of Australia has been focusing on financial services for nearly a hundred years. After the globalization of market strategy, its business has spread to 15 countries and regions, including Australia, Asia, the United Kingdom and the United States.



Project background

Commonwealth Bank of Australia Data Center

Project details

- Project location: Australia,Sydney
- Product model: PLX12-700FT
- Number of products: 2040 pcs
- Start time: 2016

EquinixSG2 Data centre project

Organization introduction

Equinix is a world-famous data center with institutions around the world.It mainly provides services and solutions for banking, securities, finance and other industries.



Project background

EquinixSG2 is the No. 2 data center in Singapore. As a docking bridge between No. 1 and No. 3 centers. The No. 2 data center is a five-storey independent building with a total area of more than 8000 square meters. Successfully ensured the safe operation of the data center.

Project details

- Project location: Singapore
- Product model: 12V180Ah
- Number of products: 5400 pcs
- Start time: 2016

Sri Lanka Telecom Data Center Project

YOURDC Data Centre (Phase 1)

Organization introduction

The Sri Lanka Telecom Data Center Project is divided into two phases. The first phase was put into operation in 2017, all of which are equipped with Leoch high-power batteries to provide power services for Sri Lanka Telecom.

Organization introduction

YourDC engages in the cloud and IT infrastructure solutions. It assists businesses and government agencies in South Australia with the planning, management, and evolution of their digital infrastructures.



Project background

Data Centre

Project details

- Project location: Sri Lanka
- Product model: 12V135W, 12V400W, 12V740W
- Number of products: 504 pcs
- Start time: 2017

Project background

Data Centre

Project details

- Project location: South Australia
- Product model: PLX12-700FT
- Number of products: 176 blocks
- Start time: 2016

Telstra Containerized Telco Data Centre

T-Systems

Organization introduction

Telstra Wholesale is Australia’ s leading wholesaler of technology and network services. They partner with customers to create ‘Aha moments’ that simplify the way they do business, unlock new growth opportunities.

Organization introduction

With around 28,000 employees worldwide and annual revenues of EUR 4.2 billion (2020), T-Systems is one of the leading providers of digital services. T-Systems can provide a global production and supply chain to companies operating worldwide.



Project background

Data Centre

Project details

- Project location: Sydney, Melbourne
- Product model: PLX12-700FT
- Number of products: 320 blocks
- Start time: 2017

Project background

Datacenter Batteries Hungarian Telecom Datacenter Site

Project details

- Project location: Hungary
- Product model: XP12-400
- Number of products: 1540 pcs
- Start time: 2018

AirTrunk Data Center

Macquarie telecom Data Center

Organization introduction

AirTrunk was established in 2014, and its main data center business is the construction and operation of ultra-large-scale facilities centered on the Asia-Pacific region.

Organization introduction

Founded in 1992, Macquarie Telecom is Australia's number one hosted telecommunications company , which provides protection against power outages, power failures, and power surges without the need for continuous offline maintenance and remediation, and can meet the stringent requirements of the data itself.



Project background

AirTrunk Data Center in Europe

Project details

- Project location: Sydney/Melbourne, Australia
- Product model: PLX12-700FT
- Number of products: 4800 pcs
- Start time: 2018

Project background

The project is located in Macquarie Park, Sydney, NSW, with 3200m2 of technical area, 860m2 of office and storage area, and the total capacity of Phase 1-5 is 21MW.

Project details

- Project location: Australia,Sydney
- Product model: LHR12-820W
- Number of products: 2320 pcs
- Start time: 2021

MRT

Organization introduction

MRT, opened in 1987 and located in Singapore, is one of the most developed and efficient public transportation systems in the world. Currently, there are 113 subway stations and 148.9 kilometers of standard gauge lines.



Project background

Singapore MRT UPS/EPS Room
Renewal project

Project details

- Project location: Singapore
- Product model: LPF12-90, LPF12-150A, LPF12-180
- Number of products: 1536 pcs, 1488 pcs, 3264 pcs
- Start time: 2019

MRT

Organization introduction

MRT, opened in 1987 and located in Singapore, is one of the most developed and efficient public transportation systems in the world. Currently, there are 113 subway stations and 148.9 kilometers of standard gauge lines.



Project background

Singapore MRT UPS/EPS Room
Renewal project

Project details

- Project location: Singapore
- Product model: LP12-100, LP12-180, LP12-200 / LPX12-200, LP12-250 / LPX12-250
- Number of products: 64 pcs, 384pcs, 1564 pcs, 3300 pcs
- Start time: 2020

MRT

Organization introduction

MRT, opened in 1987 and located in Singapore, is one of the most developed and efficient public transportation systems in the world. Currently, there are 113 subway stations and 148.9 kilometers of standard gauge lines.



Project background

Indoor UPS Application

Project details

- Project location: Singapore
- Product model: LP12-250, LP12-180, LP12-150, LP12-135, LP12-100, LP12-80, LP2-300, LP2-500,
- Number of products: 1 Set UPS, 2 Set UPS, 1 Set UPS, 7 Set UPS, 5 Set UPS, 1 Set UPS, 1080 blocks, 720 blocks
- Start time: 2017

Singapore hospital

Organization introduction

Collaborating with a hospital in Singapore for the UPS project.



Project background

Base station

Project details

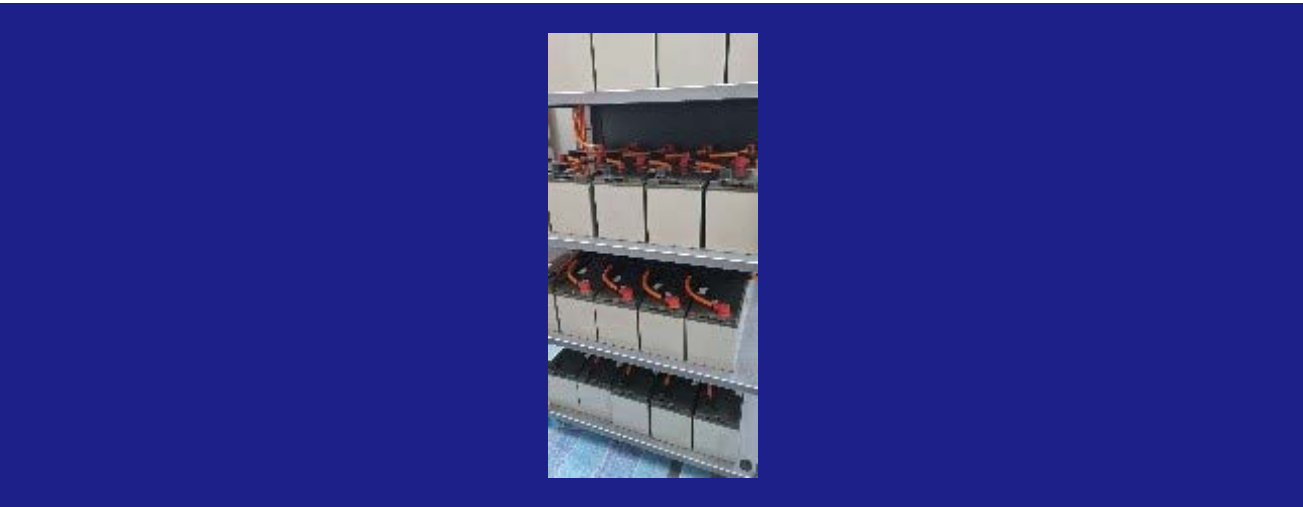
- Project location: Singapore
- Product model: LP12-200, LP12-250
- Number of products: 800 pcs
- Start time: 2022

Singapore hospital

Schneider UPS

Organization introduction

Sengkang General Hospital (SKH) forms a vital part of Singapore's master plan to provide quality and accessible care to support the healthcare needs of residents in northeastern Singapore. Offering a wide spectrum of specialist clinics and co-located with Sengkang Community Hospital, SKH provides multidisciplinary and patient-centric care covering all major healthcare disciplines.



Project background

Hospital UPS Room

Project details

- Project location: Singapore
- Product model: LP12-100, LP12-200
- Number of products: 500 pcs
- Start time: 2022

Organization introduction

Schneider Electric SA is one of the Fortune 500 companies established in 1836. Today, its headquarters are located in Rueil, France. Schneider Electric is a global leader in energy efficiency management, providing comprehensive solutions for the energy and infrastructure, industrial, data center and network, building and residential markets in over 100 countries. Among them, Schneider Electric is a world leader in markets such as energy and infrastructure, industrial process control, building automation, and data center and network, It also has strong market capabilities in the field of residential applications.



Project background

Indoor base station

Project details

- Project location: Germany
- Product model: LPL12V 250Ah
- Number of products: 5640 pcs
- Start time: 2020

SOCOMEK INNOVATIVE POWER SOLUTIONS UPS

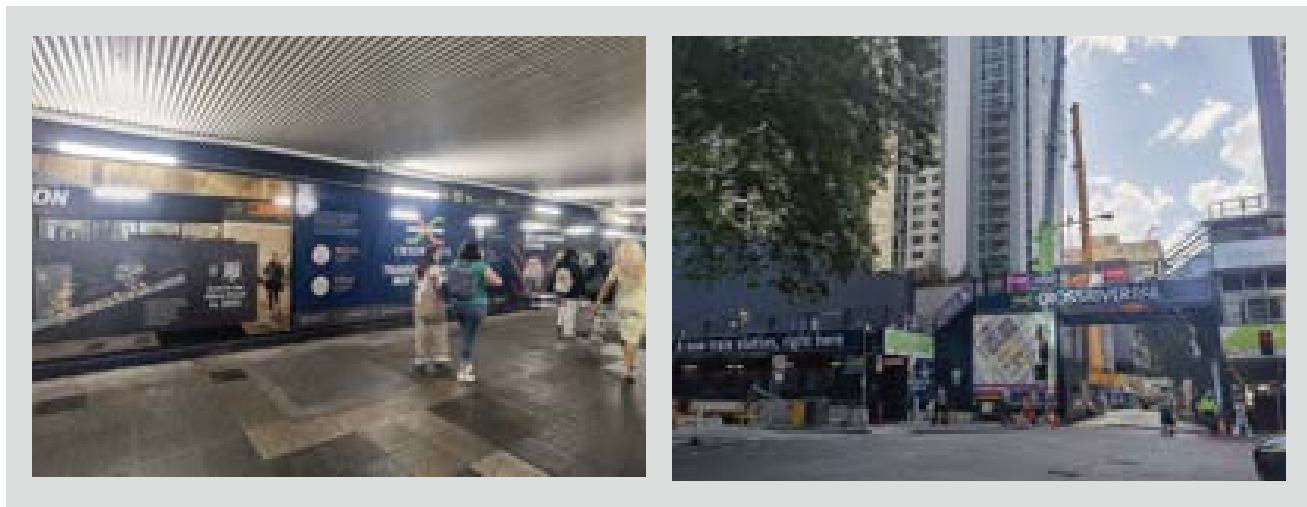
Cross River Rail project

Organization introduction

SOCOMEK, an engineering and manufacturing company of electrical equipment specialising in low voltage energy efficiency, is an independent industrial group with 3,900 employees in 30 subsidiaries worldwide.

Organization introduction

The Queensland Railway operates local and long-distance passenger services, and owns and maintains approximately 6600 kilometers of track and related infrastructure.



Project background

Indoor base station

Project details

- Project location: India
- Product model: LPL2V 500Ah
- Number of products: 4800 pcs
- Start time: 2021

Project background

Base station

Project details

- Project location: Queensland (Australia)
- Product model: LPL12-250
- Number of products: 640 pcs
- Start time: 2022

Singtel optus

Singapore SingTel Telecom

Organization introduction

Optus is the abbreviation of SingTel Optus Pty Limited, a wholly-owned subsidiary of Singapore Telecom. Through its OptusNet brand, it provides broadband, wireless, and dial-up internet services.

Organization introduction

Singapore's largest telecommunications company has 400 million users in 25 countries. New Telecom is the world's largest mobile phone service provider and is focusing on providing Internet access, IPTV (Mio TV), mobile phone (New Telecom Mobile) and fixed-line telephone services.



Project background

Telco base station

Project details

- Project location: Singapore
- Product model: LPFGS12-100H, LPFG12-85
- Number of products: 66910 blocks, 15570 blocks
- Start time: 2014

Project background

Outdoor Telecom BTS station

Project details

- Project location: Singapore
- Product model: True Hybrid GEL Front Terminal Series, LPF12-100T, LPFG12-150HS, LPFG12-180HS, LPF Front Terminal Series, LPF12-150, LPF12-180
- Number of products: + 35000 Blocks per year
- Start time: 2016

Nokia / PTCL

Organization introduction

Nokia Corporation is a multinational company headquartered in Espoo, Finland, specializing in the production of mobile communication devices and related services. Established in 1865, it focuses on the research and development of communication infrastructure and advanced technology, as well as authorization.



Project background

Pure Lead battery
Outdoor base station with high temperature

Project details

- Project location: Pakistan (through Nokia EU)
- Product model: PLH100/150FT(A)
- Number of products: > 5000 pcs
- Start time: 2018

Deutsche Telekom

Organization introduction

Deutsche Telekom is one of the world's leading integrated telecommunications companies, with some 245 million mobile customers, 25 million fixed-network lines, and 21 million broadband lines. They provide fixed-network/broadband, mobile communications, Internet, and IPTV products and services for consumers, and information and communication technology (ICT) solutions for business and corporate customers. Deutsche Telekom is present in more than 50 countries.



Project background

High temperature battery
Outdoor base station with high temperature

Project details

- Project location: Hungary
- Product model: LHTF12-150
- Number of products: 1934 pcs
- Start time: 2018

Thailand TRUE-M

EDOTCO Tower Outdoor BTS Project

Organization introduction

True is a communication company under the Charoen Pokphand Group in Thailand. It is the only local mobile operator in Thailand.

Organization introduction

Established in 2012, EDOTCO Group is the first regional and integrated telecommunications infrastructure services company in Asia, providing end-to-end solutions in the tower services sector from tower leasing, colocations, build-to-suit, energy, transmission and operations and maintenance (O&M).



Project background

Outdoor Telecom BTS station

Project details

- Project location: Thailand
- Product model: LPF Series, LPF12-100
- Number of products: 6000 Blocks
- Start time: 2020

Project background

Outdoor Base stations

Project details

- Project location: Myanmar
- Product model: LPF12-200, 48V 100AH Lithium Battery
- Start time: 2020

Telkom Indonesia

Organization introduction

Telkom Indonesia is the largest telecommunications company in Indonesia and a full service provider.



Project background

Pure lead carbon battery
Outdoor base station with poor grid electricity

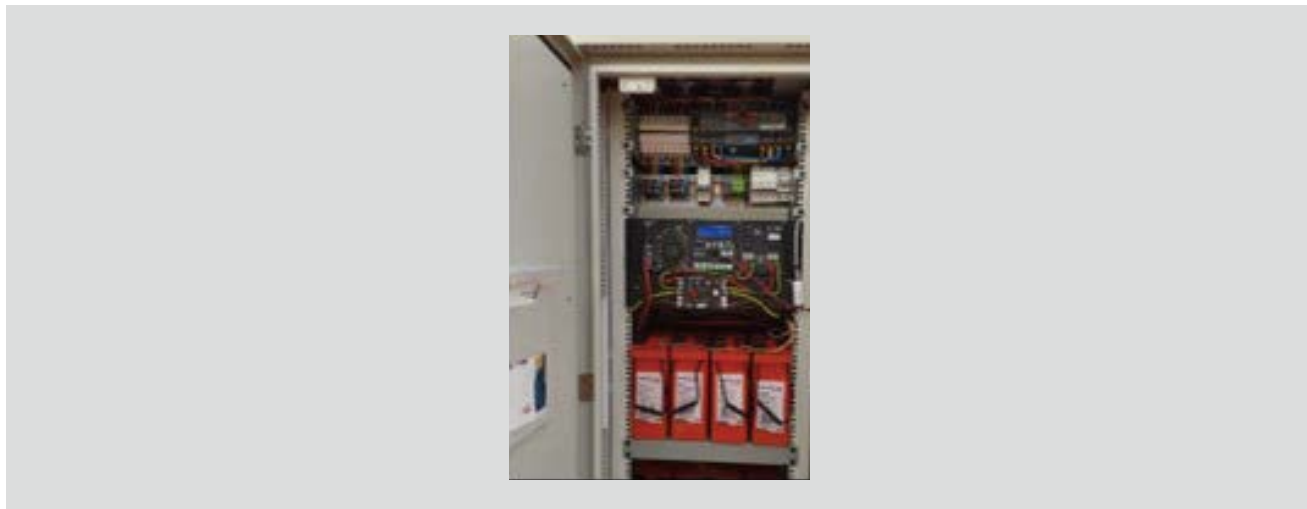
Project details

- Project location: Indonesia
- Product model: PLH+C 190FT
- Number of products: 4000 pcs
- Start time: 2019

Ooredoo Telecom

Organization introduction

Operating in 10 countries, with a growing customer base of over 121 million customers, Ooredoo Group is one of the world’ s fastest growing telecommunications groups.Ooredoo Group also offer one of the largest internet peering networks in the Middle East and interconnection with more than 100 operators including some of the biggest in the world.



Project background

Outdoor & Indoor Base stations

Project details

- Project location: Qatar, Algeria
- Product model: PLH100FT(A), PLH150FT, LPF12-150
- Number of products: 800 pcs, 2000 pcs, 2000 pcs
- Start time: 2022

Vodafone Telecom

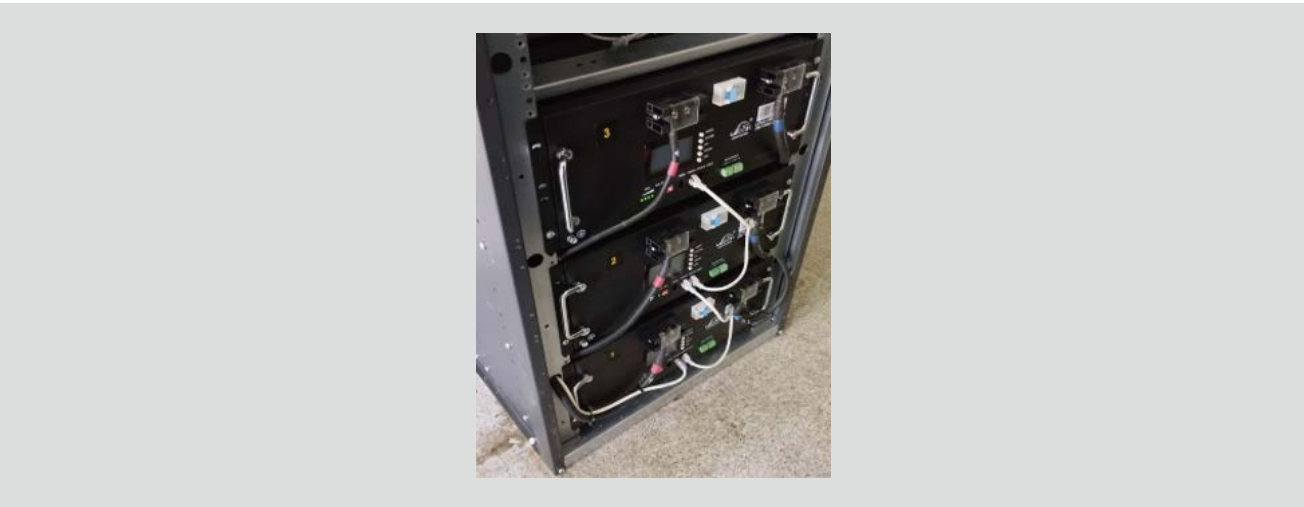
VANTAGE TOWERS Telecom

Organization introduction

Vodafone is a leading telecommunications company in Europe and Africa, provide a variety of leading technologies and digital products and services across markets.

Organization introduction

Vantage Towers, a subsidiary of telecoms operator Vodafone, runs the tower business and Vantage Towers will be headquartered in Dusseldorf, Germany, where it operates 82,000 telecoms towers across 10 countries.



Project background

Indoor base station

Project details

- Project location: Australia
- Product model: PLH 100FT
- Number of products: 70000+ pcs
- Start time: 2012

Project background

Lithium Battery Tower Telecom Station

Project details

- Project location: Greece
- Product model: LFeLi-48150TB
- Number of products: 600 pcs
- Start time: 2022

HELIOS TOWERS Telecom

Organization introduction

Helios Towers is a leading independent telecommunications infrastructure company, focused on driving the growth of mobile communications across Africa and the Middle East.



Project background

Telecom Tower Stations

Project details

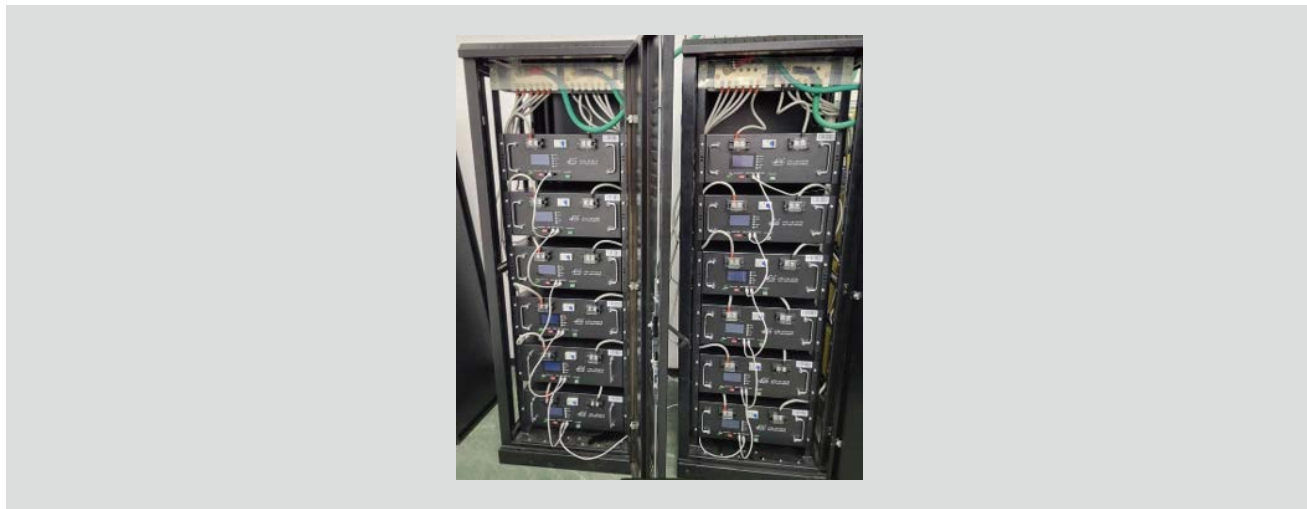
- Project location: South Africa
- Product model: LFeLi-48150T, LFeLi48100E
- Number of products: 18000 pcs
- Start time: 2022

BEZEQ Telecom

Organization introduction

Bezeq Group – the largest and leading communications group in Israel, will lead and promote the digital revolution in Israel, through advanced infrastructure and services for consumers and businesses, while striving for operational excellence and continuous improvement in business results.

Bezeq and its subsidiaries offer the full range of telecommunications services including domestic, international and cellular phone services, broadband Internet, and other data communications, cloud and digital services, satellite and Internet based multi-channel TV, and corporate networks.



Project background

Telecommunications Station

Project details

- Project location: Israel
- Product model: LFeLi-48100TB
- Number of products: 12 pcs
- Start time: 2023

SAFARICOM Telecom

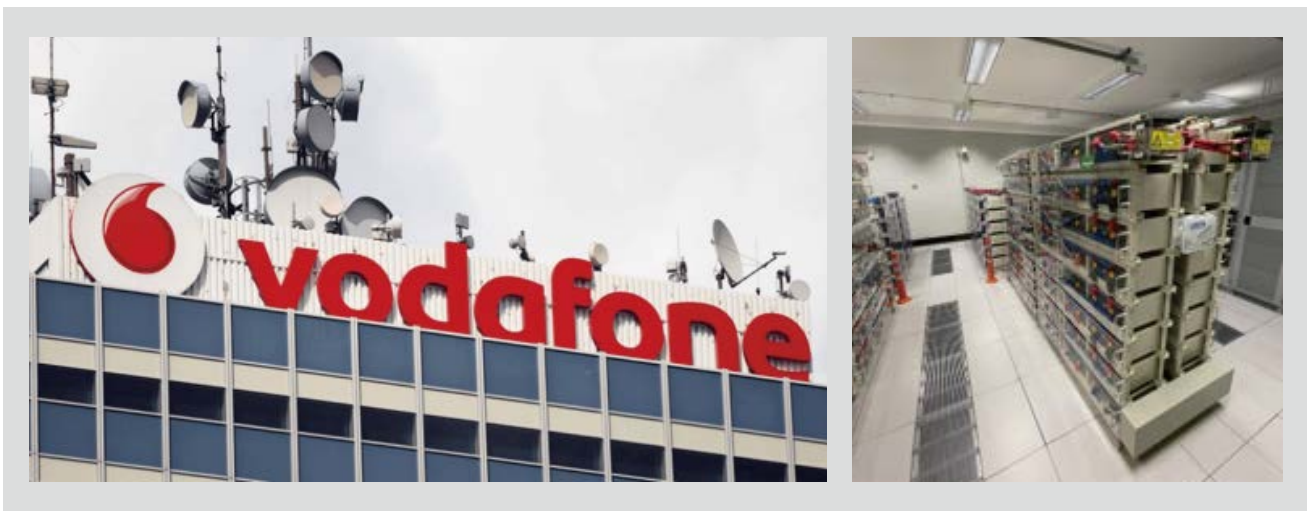
Vodafone Australia Telecom Project

Organization introduction

Safaricom is the largest communications company in East and Central Africa, focusing on providing financial services and enterprise solutions in addition to voice communications services.

Organization introduction

Vodafone is a leading telecommunications company in Europe and Africa, provide a variety of leading technologies and digital products and services across markets.



Project background

Telecommunications Station

Project details

- Project location: Kenya
- Product model: LFeLi-48100EB
- Number of products: 1400 pcs
- Start time: 2023

Project background

Data Centre

Project details

- Project location: Australia
- Product model: LPL2-1000M
- Number of products: 3600+ pcs
- Start time: 2021