LiveON TECHNOLOGY

SUSTAINABLE | SMART | SOCIETY



OUR PRODUCTS & SERVICES



Solar PV System Solutions



Battery Energy Storage System (BESS)



Microgrid Systems



Electric Mobility Charging Station



V2G & G2V



Automation & Intelligent Systems



EMS and PCB Design, Substation Automation



Data Centre & Digital Infrastructure



Data Analytics Digital Intelligence



Waste Management & Circular Economy



Financial Investment Management & Intelligence



Engineering Procurement Construction



Green Building & ZERO Energy Building



Sustainability / ESG

Government | Domestic | Industries | Commercial | Institutions | Agriculture | Hospital

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LiveON Technology

Building the Future of Technology with Engineering Intelligence

Enabling a Sustainable Future

LiveON Technology brings together Engineering, Energy, Digital Intelligence, Data Analytics, Automation, Mobility and Sustainability to design and enable the infrastructure of tomorrow — a next-generation, multi-technology solutions company engineering intelligent, sustainable and economically transformative systems across the energy, mobility, industrial and digital infrastructure sectors.



OUR CORE EXPERTISE — INTEGRATED TECHNOLOGIES. ENDLESS POSSIBILITIES.

RENEWABLE ENERGY & POWER

- Solar PV
- Hybrid Renewables
- Micro-Grid
- Integration
- Power Evacuation
- Substation Development

BATTERY ENERGY STORAGE – BESS

- Utility-Scale & C&I BESS
- PCS
- BMS
- EMS
- Peak Load Management
- Energy Arbitrage
- Grid Support

ELECTRIC MOBILITY & EV INFRASTRUCTURE

- EV Charging Infrastructure
- Smart Charging
- Battery Systems
- Integrated EV–Solar–Storage Solutions

AUTOMATION & INTELLIGENT ENERGY

- Industrial Automation
- SCADA
- IoT
- Energy Monitoring
- Intelligent Control
- Remote Optimization

DATA CENTRES & DIGITAL INFRASTRUCTURE

- Power Infrastructure
- Renewable Integration
- BESS & Backup Power
- Cooling & PUE Improvement

DATA ANALYTICS & DIGITAL INTELLIGENCE

- Real-Time Analytics
- Load Forecasting
- Predictive Maintenance
- AI/ML Insights
- Digital Twins

SUSTAINABILITY & NET-ZERO

- Carbon Assessment
- Decarbonization
- Net-Zero Strategy
- Renewable Transition
- ESG Advisory

FINANCIAL & INVESTMENT INTELLIGENCE

- Feasibility Studies
- CAPEX/OPEX Analysis
- Financial Modelling
- ROI/IRR
- Project Viability

ENGINEERING

- Site Assessment & Feasibility Study
- System Design & Engineering
- Energy Yield Analysis
- Technical Documentation
- Permitting & Approvals



PROCUREMENT

- High Quality PV Modules
- Inverters & Balance of System (BOS)
- Structural & Electrical Components
- Logistics & Supply Chain Management
- Quality Assurance



CONSTRUCTION

- Site Preparation
- Module Mounting & Installation
- Electrical Installation
- Testing & Inspection
- Safety & Quality Compliance



COMMISSIONING & O&M

- System Testing & Commissioning
- Performance Monitoring
- Operation & Maintenance
- Preventive Maintenance
- Performance Optimization



Clean Energy.
Reliable Infrastructure.
A Sustainable Future.

Solar PV | BESS | Charging Station | Zero-energy Building | Data Analytics | Sustainability

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DELIVERY MODEL

End-to-End Project Delivery

From feasibility and approvals through construction, commissioning and lifetime performance



Sustainable Smarter Connected

ENGINEERING, PROCUREMENT & CONSTRUCTION (EPC)

Complete Solar PV and BESS project delivery under one roof.

ENGINEERING

Smart Design. Optimized Performance.

- FEED & Detailed Engineering
- System Design & Simulation
- Grid Integration & Studies
- Technical Documentation

PROCUREMENT

Quality. Timely. Cost-Effective.

- Module, Inverter & BESS Procurement
- Balance of System (BOS)
- Vendor Management
- Logistics & Supply Chain

CONSTRUCTION

Safe. On-Time. High Quality.

- Site Preparation & Civil Works
- Electrical & Mechanical Installation
- Grid Connection & Testing
- Project Management & Quality Assurance

Solar PV
Efficient, clean and future-ready energy solutions.

BESS
Reliable storage for uninterrupted power.

Transmission Line
Strong grid connections for maximum impact.

Pooling Substation
Safe, scalable and efficient power distribution.

Associated Electrical Infrastructure
Complete systems for seamless operations.

Complete installation, testing, commissioning, grid synchronization and performance validation in coordination with all stakeholders.

End-to-end project management, O&M, performance monitoring and lifecycle support to ensure reliable, optimized and sustainable energy delivery.

Clean Energy.
Reliable Infrastructure.
A Sustainable Future.



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SOLAR PV SYSTEMS

Clean Energy. Sustainable Future.

Sustainable Smarter Connected

LiveON Technology provides high-performance solar PV solutions for both **ground-mounted** and **rooftop systems,** helping you generate clean, reliable and cost-effective energy. Powering homes, businesses and industries with renewable energy.



- Renewable Energy
- Lower Electricity Bills
- Reduced Carbon Footprint
- Energy Independence

Ground Mounted Solar PV Systems

High Capacity | Maximum Generation | Long-Term Value



Ideal for large-scale projects, ground-mounted systems offer high energy output, easy maintenance and excellent cost efficiency.

- **High Efficiency** — More power per area
- **Scalable Design** — From kW to MW projects
- **Durable Structure** — Built for harsh environments
- **Better ROI** — Lower LCOE & long lifespan

Rooftop Solar PV Systems

Efficient Use of Space | Clean Energy | Lower Bills



Perfect for residential, commercial and industrial buildings, rooftop systems help you save on electricity bills and reduce your carbon footprint.

- **Space Optimized** — Utilize existing rooftop area
- **Quick Installation** — Minimal disruption
- **Low Maintenance** — Reliable performance
- **Green Buildings** — Supports sustainability goals

Complete Solar PV System Solutions

We provide end-to-end solutions — from design and installation to monitoring and support.



Solar PV Modules
- High efficiency
- Long life
- Reliable performance



Inverters
- Efficient conversion
- Smart monitoring
- Grid compliance



Mounting Structures
- Strong & durable
- Weather resistant
- Easy installation



DC/AC Combiner Boxes
- Safe & organized
- Power distribution
- Surge protection



Cables & Accessories
- Quality components
- Long-term reliability
- Weather resistant



Monitoring & Control
- Real-time tracking
- Remote management
- Higher efficiency

Key Benefits

- **Clean Energy** — Renewable & zero emissions
- **Cost Savings** — Lower electricity bills & predictable costs
- **Low Maintenance** — Durable systems & long lifespan
- **Reliable Performance** — High efficiency in all conditions
- **Sustainable Future** — A cleaner planet for generations



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BESS

BATTERY ENERGY STORAGE SYSTEM

Reliable. Scalable. Sustainable.

LiveON Technology provides advanced BESS solutions to store energy, deliver backup power, stabilize the grid and enable efficient energy management for a cleaner, smarter and more sustainable future.



Key Features

- **High Energy Density** — More energy, less space.
- **Long Cycle Life** — Reliable performance for years.
- **Safe & Reliable** — Advanced safety and thermal control.
- **Flexible Scalability** — From small sites to large projects.
- **Smart Management** — Real-time monitoring and intelligent control.
- **Modular Design** — Easy integration and maintenance.

BESS Container – Inside View

High Efficiency | Safety | Long Lifespan



1 Battery Cells

LFP, NMC, LTO, Sodium-ion

- High energy density
- Long cycle life
- Safety & performance



2 Battery Management System (BMS)

- Monitors voltage, temperature, SOC, SOH, current
- Cell balancing
- Protection



3 Power Conversion System (PCS)

- DC ↔ AC conversion
- Controls power, voltage, frequency & reactive power



4 Thermal Management System

- Keeps the system at the right temperature.
- Air / liquid cooling
- Refrigeration / heating
- Prevents degradation & risks



5 Battery Protection System

- Fuses, DC breakers, contactors
- Disconnects & surge protection
- Isolates faults



6 Fire Dotection & Suppression

Multiple layers of protection.



- Smoke, temperature & gas detection
- Foam suppression systems
- Emergency shutdown

7 Energy Management System (EMS)

Decides when and how to operate.

- Charge/discharge scheduling
- Peak shaving & frequency regulation
- Renewable integration & grid support



8 SCADA & Communication

Provides visibility and control.

- Modbus, TCP, Modbus RTU
- CAN, RS485, Ethernet
- Real-time monitoring & control



9 Switchgear & Transformer

Connects to the grid safely.

- LV/MV switchgear
- Transformer isolation
- Protection & voltage transformation



10 Container / Enclosure

Protects and houses everything.

- Battery racks, PCS, HVAC
- Fire protection, cabling
- Control & auxiliary systems



Key Benefits

- **Clean Energy** — Renewable & zero emissions
- **Cost Savings** — Lower electricity bills & predictable costs
- **Low Maintenance** — Durable systems & long lifespan
- **Reliable Performance** — High efficiency in all conditions
- **Sustainable Future** — A cleaner planet for generations



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Engineering Today for a Sustainable Tomorrow

Cleaner Greener Smarter Together

Battery Energy Storage System (BESS)

Store Energy | Manage Energy | Create a More Flexible and Reliable Power System

Reliable Energy for a Greener Future



A Battery Energy Storage System (BESS) stores electrical energy in batteries and releases it when needed. It includes battery packs, power conversion system, control and protection, thermal management, and auxiliary systems to ensure safe, efficient and reliable operation.

1 Battery System
(Core: Energy Storage)





- Battery cells → modules → racks
- Lithium-ion (LFP / NMC)
- Stores and releases electrical energy
- Scalable from kWh to MWh

Charge → Li⁺ (Store energy)

Discharge ↔ Li⁺ (Release energy)

2 PCS (Power Conversion System)
(Energy Conversion)

DC (from battery)



DC ⇔ AC Conversion

AC (to grid / load)

- Bi-directional inverter (DC ⇔ AC)
- Controls charging and discharging power
- Provides grid support (voltage, frequency, reactive power)
- Supports black start and islanded operation

Flexible Power Control

3 BMS (Battery Management System)
(Battery Health Management)



- Monitors voltage, current, temperature
- Estimates State of Charge (SOC) and State of Health (SOH)
- Protects against overcharge, over-discharge, overcurrent, over-temperature
- Ensures safety and longer lifetime

Voltage (V) | Current (A) | Temperature (°C) | SOC / SOH

BESS Controller
Coordinated by control and management systems

4 EMS (Energy Management System)
(System Brain)



- Overall control and optimization
- Dispatches charging and discharging strategy
- Communicates with grid, PV, generators, and loads
- Enables application logic (peak shaving, backup, etc.)
- Remote monitoring and data analytics

Monitoring | Optimization | Communication | Dispatch & Control

5 Auxiliary & Safety Systems
(Ensure Reliable and Safe Operation)

TMS (Thermal Management System)



- Keeps batteries within optimal temperature range
- Air cooling or liquid cooling

Fire Protection System



- Early warning and detection
- Fire suppression
- Safety isolation

Electrical Balance of Plant



- Circuit protection (icrcuit breaker, fuse, etc.)
- Transformer, LV/MV switchgear
- Cables and auxiliary power

Enclosure & HVAC



- Protects equipment (IP rating)
- Temperature and humidity control
- Suitable for outdoor environments

Key Applications of BESS

Peak Shaving
Reduce peak demand and electricity cost

Frequency & Voltage Regulation
Support grid stability

Renewable Energy Integration
Store solar & wind energy for firm and reliable supply

Backup Power
Provide reliable power during outages

Fast Response
Millisecond-level response for grid services

Microgrid & Off-grid
Enable resilient and sustainable power



Powering a Cleaner, Greener and More Resilient Tomorrow

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Clean Smart Sustainable Together

Microgrids

Local Power. Global Impact.

A microgrid is a localized, self-sufficient power network that **generates, stores, and distributes electricity** for a specific area — such as a campus, hospital, or neighborhood — and can operate either connected to the main utility grid or completely independently.

- **Reliable Power**
- **Lower Energy Costs**
- **Greater Energy Security**
- **Cleaner Environment**

Key Components

Distributed Energy Resources (DERs)
Solar PV, wind, generators, biomass, etc.

Energy Storage Systems (BESS)
Store energy for reliable supply.

Energy Loads
Residential, commercial, industrial, critical facilities (hospitals, data centres, etc.)

Microgrid Controller & EMS
Real-time monitoring, optimization & control.

Grid Connection
Operate connected to the main grid or in island mode.

Communication & Monitoring
IoT, SCADA, and advanced analytics.

A SMARTER, STRONGER ENERGY ECOSYSTEM



How It Works

01 Generate
Local renewable and conventional sources produce power.

02 Store
BESS stores excess energy for later use.

03 Manage
Controller & EMS balance supply and demand in real time.

04 Distribute
Power flows through local infrastructure to loads.

05 Operate
Connected to grid or in island mode as needed.

Key Benefits

Cost Savings
Lower energy bills & predictable costs

Reliable Power
Uninterrupted supply during outages

Lower Emissions
Supports clean and green energy goals

Grid Independence
Operate in island mode when required

Supports Growth
Scalable for future demand

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SUSTAINABLE | SMART | SOCIETY

CLEAN ENERGY
SMART SOLUTIONS
A SUSTAINABLE TOMORROW

OEM / ODM

Original Equipment Manufacturer | Original Design Manufacturer



Advanced Electronics & Control Systems
Built for Perfermance

- **CUSTOM ENGINEERING**
- **SMART ELECTRONICS**
- **RELIABLE MANUFACTURING**
- **QUALITY ASSURANCE**

2-Wheeler Charging Point

3-Wheeler Charging Point

4-Wheeler Charging Point

Sustainable Mobility for a Better Tomorrow

CLEANER GREENER BRIGHTER TOMORROW

Clean Energy Better Tomorrow

End-to-End EV Charging Solutions

From concept to complete solutions — designed and built for your needs.

Concept → Design → Engineering → Prototype → Manufacturing → Charging Solution

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CLEAN ENERGY
SMART SOLUTIONS
A SUSTAINABLE TOMORROW

Powering Greener Mobility Together

DC FAST CHARGER

High Performance | Reliable | Future Ready

Powering the Next Generation of Electric Mobility





INTERNAL COMPONENT VIEW



- **Cooling Fans** — Thermal Management System
- **Power Modules** — High Efficiency DC Output Modules
- **Control Board** — Main Control Unit & Communication
- **AC Input Breaker** — Grid Protection
- **DC Output Busbar** — High Current Output
- **Surge Protection** — SPD (AC & DC)
- **Contactors & Relays** — Safety Isolation
- **Cable Terminals** — Input / Output / Ground

60kW
120kW
180kW

≥ 96% Efficiency

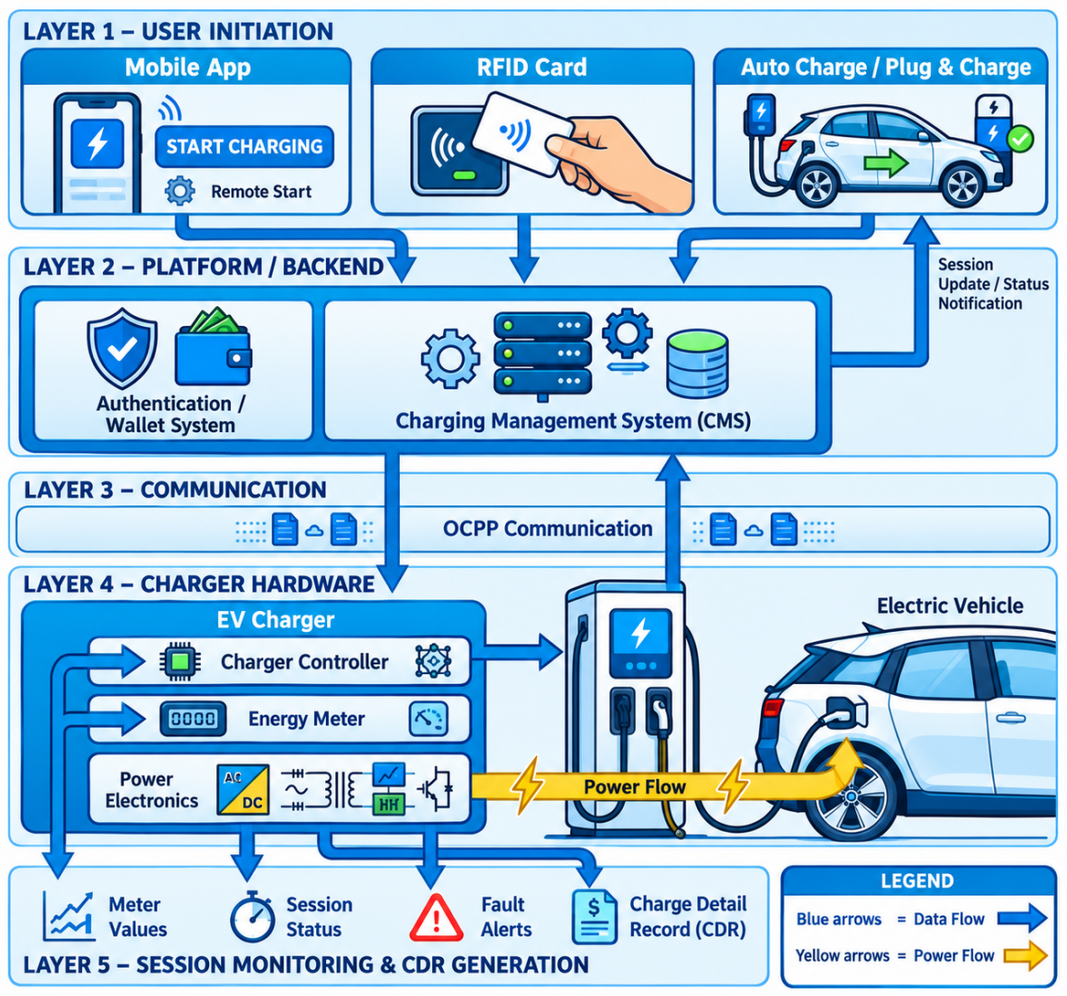
Wide Output Voltage Range 200 – 1000 VDC

IP54 / IP55 All Weather Protection

CSMS CHARGING STATION MANAGEMENT SYSTEM

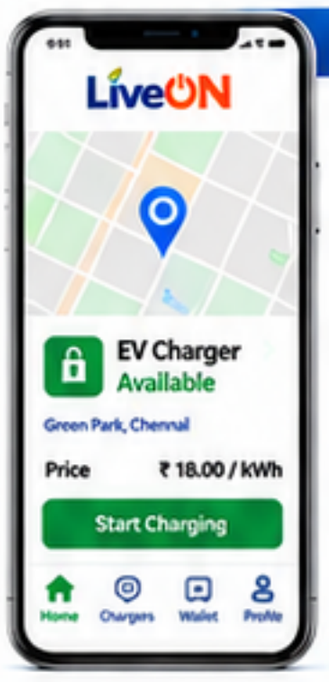
Smarter Management. Seamless Experience.

A cloud-based management system and mobile application for EV charging operations, built for efficiency, reliability and growth.



Government | Domestic | Industries | Commercial | Institutions | Agriculture | Hospital

MOBILE APP



Find. Charge. Pay. Anywhere.

- Locate nearest charging station
- Real-time charging status
- Online payment & wallet
- Booking & reservation
- Session history
- Supports Android & iOS

WEB DASHBOARD



KEY FEATURES

- **Real-time Monitoring** — Live status of chargers, vehicles and sessions
- **Dynamic Load Management** — Optimized energy usage and demand balancing
- **User Authentication** — RFID, Mobile App, Wallet & Plug & Charge
- **Payment Integration** — Multiple payment options and invoicing
- **Analytics & Reporting** — Energy, revenue, utilization and custom reports
- **Remote Configuration** — Diagnostics, updates and troubleshooting
- **Scalable Architecture** — Suitable for public, fleet and private networks
- **Secure & Reliable** — Cloud based, encrypted, 24/7 uptime

APPLICATIONS | Ideal for Public & Private Charging Networks



Highway & Intercity Charging Stations | Commercial & Corporate Facilities | Fleet Charging Depots | Residential & Apartment Complexes | Industrial Campuses | Retail & Hospitality Locations | Government & Municipal Infrastructure

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CLEAN ENERGY
SMART SOLUTIONS
& SUSTAINABLE TOMORROW

Government | Domestic | Industries | Commercial | Institutions | Agriculture | Hospital

PORTABLE EV CHARGERS

Compact | Efficient | Reliable | On-the-Go Charjng Solutions

Power Anywhere Anytime



- Portable & Lightweight
- Plug & Play
- Safe & Reliable
- Cost Effective
- Rugged Design
- Supports Clean Mobility

CLEANER
GREENER
BRIGHTER
TOMORROW

PORTABLE CHARGERS FOR 2 WHEELERS

Compact. Smart. Reliable.

Charge your electric two-wheeler anywhere, anytime.



1.5 kW – 3.3 kW
Portable Charger (A)



Internal View



1.5 kW – 3.3 kW
Portable Charger (A)



Internal View



1.5 kW – 3.3 kW
Portable Charger (A)



Internal View

Output Power
1.5 kW – 3.3 kW

Input Voltage
AC 230V, 50Hz

Connector
Type 2 / GB/T

Weight
3 - 6 kg

PORTABLE CHARGERS FOR 3 WHEELERS

Rugged. Powerful. Versatile.

Designed for high performance charging of electric three-wheelers.



3.3 kW – 7.2 kW
Onboard Charger



Internal View



3.3 kW – 7.2 kW
Onboard Charger



Internal View



3.3 kW – 7.2 kW
Onboard Charger



Internal View

Output Power
3.3 kW – 7.2 kW

Input Voltage
AC 230V, 50Hz

Connector
Type 2 / GB/T

Weight
6 - 12 kg

CORE ELECTRONICS & CONTROL SYSTEMS

High-efficiency electronics designed for performance and reliability.



Control PCB
(Smart Charging)



Power Module
(IGBT / SiC)



PFC Circuit



Cooling System
(Fan / Heat Sink)



EMI Filter



Safety & Protection
(Measurements)

BUILT FOR A GREENER TOMORROW

- Clean Mobility
- Lower Operating Cost
- Reliable Performance
- Sustainable Future

IDEAL FOR



Home Charging
Convenient charging at home



Offices & Workplaces
Charging at offices and campuses



Parking Areas
Ideal for residential and commercial parking



Commercial Complexes
Support for retail, malls and business hubs



On-the-Go Charging
For travel and highway use



Fleets & Last Mile Operators
Reliable charging for fleet operations

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LiveON TECHNOLOGY
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CLEAN ENERGY
SMART MOBILITY
STRONGER GRID
A BRIGHTER TOMORROW

Cleaner
Greener
Smarter
Together

V2G & G2V

TWO-WAY ENERGY FLOW FOR A SUSTAINABLE FUTURE

Grid ↔ EV ↔ Home/Building → Business → Renewable Energy

Vehicle-to-Grid (V2G) and Grid-to-Vehicle (G2V) are two-way energy flow technologies that connect electric vehicles (EVs) to the electrical power grid. V2G allows EVs to feed energy back into the grid, providing load balancing, frequency control, and renewable energy integration, whereas G2V focuses on charging EVs from the grid.

G2V (GRID-TO-VEHICLE)

Energy flows from the Grid to charge the EV

- Smart Charging
- Optimized Energy Cost
- Renewable Integration
- Load Management

V2G (VEHICLE-TO-GRID)

Energy flows from the EV back to the Grid

- Grid Support
- Peak Shaving
- Emergency Backup
- Additional Revenue

Energy Sources & Infrastructure

- **Renewable Energy** (Solar & Wind)
- **Battery Storage** (BESS)
- **Buildings** (Residential & Commercial)
- **Utility Grid**

SMARTER ENERGY.
CLEANER COMMUNITIES.
BRIGHTER TOMORROW.



Applications



EV BUS



EV TRUCK



EV CAR

Energy "in" and vehicle charging | Energy "out" and vehicle discharging | Communication & Data Flow

V2X : One Platform. Multiple Possibilities.

Vehicle-to-Infrastructure (V2I)
Exchange information with road infrastructure (smart traffic, smart cities)

Vehicle-to-Vehicle (V2V)
Share real-time information between vehicles for safety and efficiency

Vehicle-to-Device (V2D)
Power external devices (e.g., appliances, tools, IoT)

Vehicle-to-Network (V2N)
Connect to the network/cloud for real-time data, services and optimization

Vehicle-to-Grid (V2G)
Supply energy from EV to the grid for load balancing and grid support

Vehicle-to-Pedestrian (V2P)
Enhance safety by communicating with pedestrians and vulnerable road users

Cleaner Environment | Smarter Infrastructure | Greater Value | Safer Communities | Sustainable Future

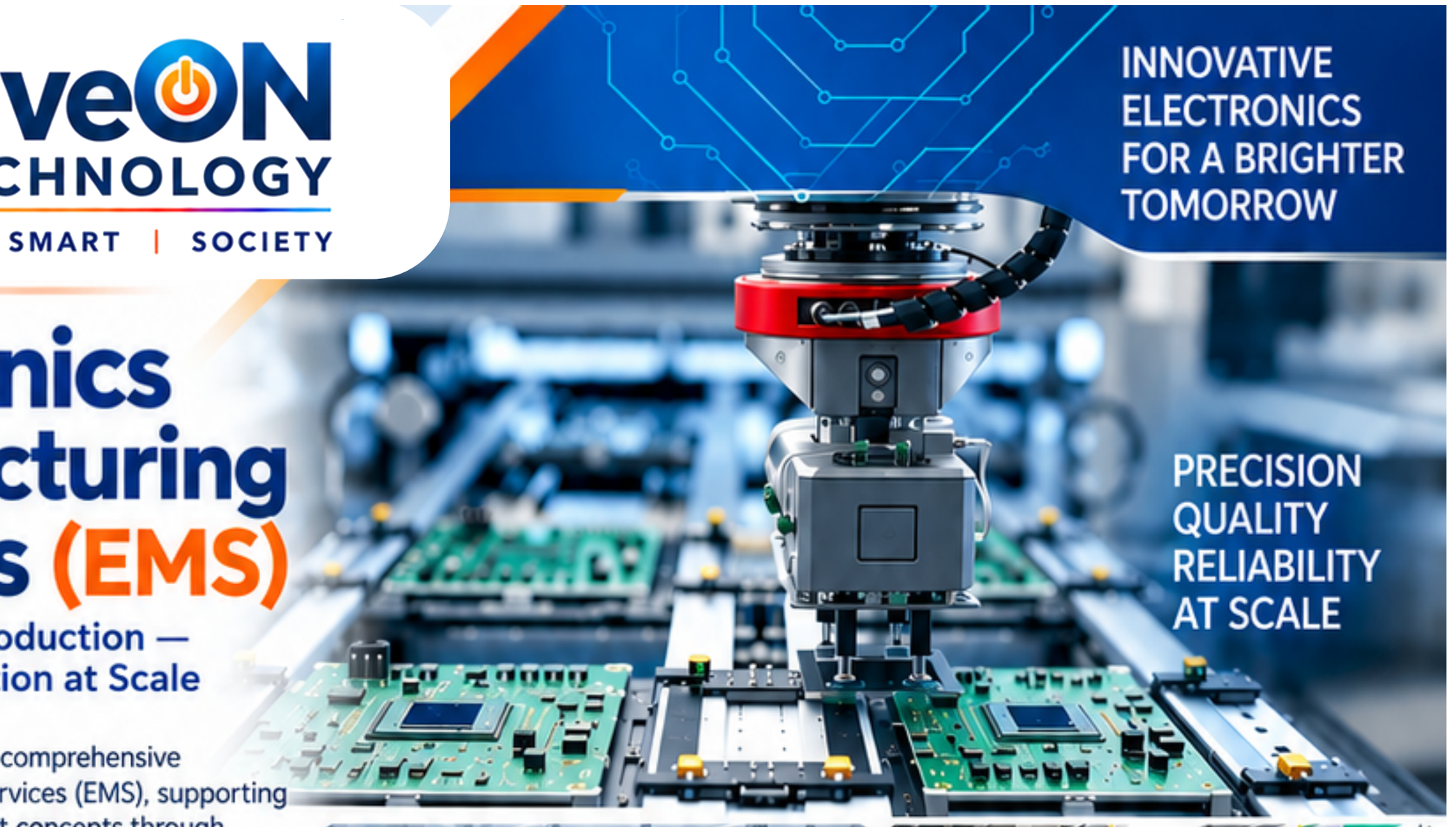
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Electronics Manufacturing Services (EMS)

From Concept to Production — Engineering Innovation at Scale



LiveON Technology provides comprehensive Electronics Manufacturing Services (EMS), supporting customers from initial product concepts through engineering, prototyping, testing, manufacturing and production.

Our expertise extends to the design, development, and manufacturing of electronic systems, allied parts and components serving diverse industries including automotive, electric mobility, renewable energy, industrial automation, agriculture, medical equipment, household appliances, consumer electronics, communication systems, and defence applications.

With end-to-end design, development, and manufacturing services, we empower industries to accelerate innovation and move toward a smarter, cleaner, and future-ready world.





PEOPLE | PROCESS | TECHNOLOGY | EXCELLENCE

WHY LIVEON EMS?

Innovation
From concept to commercial product

Quality
Global standards & reliable solutions

Scalability
Low to high volume manufacturing

Sustainability
Supporting a cleaner, smarter tomorrow

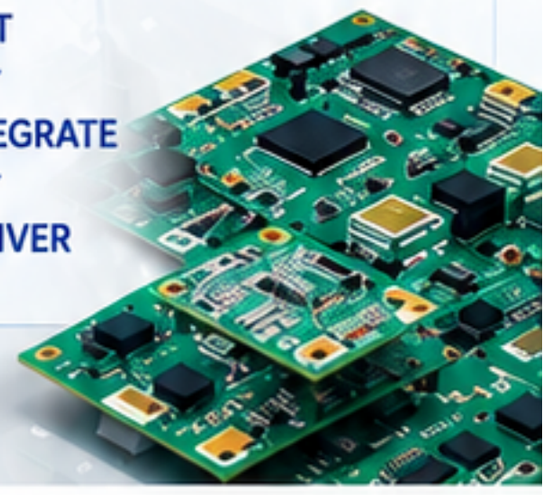
OUR CAPABILITIES

- Electronic Product Design & Development
- PCB Design, Engineering & PCB Assembly (PCBA)
- Prototype Development & Engineering Validation
- Component Sourcing & Supply-Chain Support
- Embedded Electronics & Control Systems
- Sensors, Controllers & Communication Devices
- Testing, Inspection & Quality Assurance
- Box-Build & Product-Level Assembly
- OEM / ODM Manufacturing Support
- Low, Medium & High-Volume Production
- Customized Parts & Component Development
- Product Integration and Manufacturing Support

OUR PROCESS

DESIGN
DEVELOP
PROTOTYPE
VALIDATE
MANUFACTURE
TEST
INTEGRATE
DELIVER

End-to-end manufacturing solutions that transform innovative concepts into reliable, scalable, and commercially ready products.



INDUSTRIES WE SUPPORT

Automotive & EV | Industrial Automation | Renewable Energy | Agriculture | Medical Equipment | Home Appliances | Consumer Electronics | Communication Systems | Energy Management | Defence & Specialized Electronics

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Engineering Today
for a Sustainable Tomorrow

Cleaner
Greener
Smarter
Together

OUR SOLUTIONS FOR A BETTER TOMORROW

Innovative Technologies | Integrated Solutions | Sustainable Growth

Automotive & EV



- Electric 2W, 3W, 4W Solutions
- EV Charging & Battery Swapping
- EV Components & Systems
- Fleet Electrification

Cleaner Mobility for a Greener World

Industrial Automation



- Factory Automation
- Robotics & Motion Control
- Process Automation
- Smart Manufacturing

Automation for Higher Productivity

Renewable Energy



- Solar PV Power Plants
- Wind Energy Solutions
- Hybrid & Off-grid Systems
- Operation & Maintenance

Clean Energy for a Brighter Future

Agriculture



- Solar Pumping Solutions
- Smart Irrigation
- Agri Residue to Energy
- Sustainable Farming

Empowering Farmers with Clean Energy

Medical Equipment



- Medical Electronic Systems
- Patient Monitoring Devices
- Diagnostic Equipment
- Reliable & Safe Solutions

Technology for a Healthier Tomorrow

Home Appliances



- Energy Efficient Appliances
- Smart Home Solutions
- Electronic Control Systems
- OEM/ODM Manufacturing

Smarter Homes for Better Living

Consumer Electronics



- IoT Enabled Devices
- Wearables & Accessories
- Smart Lifestyle Products
- PCB Design & Manufacturing

Innovation for Everyday Life

Communication Systems



- Telecom Infrastructure
- Wireless Communication
- IoT & M2M Solutions
- Network & Embedded Systems

Connected World for a Smarter Future

Energy Management



- Battery Energy Storage System
- Energy Monitoring & EMS
- Microgrid Solutions
- V2G & G2V Technologies

Optimizing Energy for a Resilient Future

Defence & Specialized Electronics



- Rugged & Reliable Electronics
- Mission Critical Systems
- Avionics & Defence Electronics
- Custom Design & Manufacturing

Trusted Technology for a Safer Nation

Electronics Manufacturing Services (EMS)

From Design to Mass Production – High Precision. High Reliability.

Electronics Manufacturing Services (EMS) rely on automated Surface Mount Technology (SMT) assembly lines to place and solder electronic components onto printed circuit boards with high speed and micron-level precision.



Automated SMT Assembly Line

High Speed | High Precision | High Reliability

Solder Paste Printing



Precise and uniform solder paste deposition

Component Placement



High speed, micron-level accuracy

Reflow Soldering



Strong and reliable solder joints

Inspection & Testing



AOI, ICT & Functional Testing









Custom PCB Design | Prototyping | Mass Production | End-to-End EMS Solutions



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LiveON TECHNOLOGY

SUSTAINABLE | SMART | SOCIETY

Innovative Solutions for a Better Tomorrow

Cleaner
Greener
Smarter
Together



Solar Projects & Battery Energy Storage Systems (BESS)

Integrated BESS solutions with solar projects for energy storage, grid stability and reliable power.



OEM & ODM Services

OEM (Original Equipment Manufacturer) & ODM (Original Design Manufacturer) services for EV charging stations and any new electrical and electronics products such as charging stations, BMS (Battery Management System), power electronics, control systems and customized solutions.



High Quality Components with Latest Technology

We use premium quality components with the latest technology for higher efficiency, safety and reliability.



IoT based Real Time Monitoring System

Advanced IoT based monitoring system for real-time performance tracking of solar and BESS systems, anytime, anywhere.



Best Price in the Market & Easy Financing

Competitive pricing with flexible financing options to make clean energy more accessible.



Best Industry Experienced Experts & Skilled Workforce

Experienced professionals and skilled workforce ensuring quality execution and timely delivery.



Product Solutions & Costing Estimation

End-to-end product solutions with accurate estimation for better planning and budgeting.



Routine Preventive Maintenance & After Sales Services

Regular maintenance and reliable after-sales services for long-lasting performance.



Fault-Finding, Rectifying & Repair Works

Quick fault diagnosis and effective rectification to minimize downtime and ensure smooth operations.



Upgrading, Modification, Extension & Retrofitting Work

Upgrade and retrofit existing systems to improve performance, efficiency and extended lifespan.



Dedicated Customer Support & Service

24/7 dedicated support and responsive service for complete customer satisfaction.



Spare Parts Supply & Maintenance

Genuine spare parts supply and timely maintenance for uninterrupted operation and system reliability.



A CLEANER, GREENER AND BRIGHTER TOMORROW

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LiveON TECHNOLOGY

SUSTAINABLE | SMART | SOCIETY

Government | Domestic | Industries | Commercial | Institutions | Agriculture | Hospital

GREEN BUILDING
ESG AND NETZERO BUILDING

Sustainable Buildings for a Better Tomorrow

A green building concept is the practice of designing, constructing, operating, and maintaining structures in an environmentally responsible and resource-efficient way across their entire life cycle, integrating ESG principles and aiming for Net Zero emissions.

- Healthy Spaces
- Higher Productivity
- Lower Operating Costs
- Reduced Carbon Footprint
- A Greener Planet





E ENVIRONMENTAL

- Climate change strategy
- Biodiversity
- Water efficiency
- Energy efficiency
- Carbon intensity
- Environmental management system

S SOCIAL

- Equal opportunities
- Freedom of association
- Health and safety
- Human rights
- Customer & products responsibility
- Child labour

G GOVERNANCE

- Business ethics
- Compliance
- Board independence
- Executive compensation
- Shareholder democracy

Simplify ESG Data Collection, Analysis, and Reporting



Companies face growing demands from investors, as well as internal and external stakeholders, to disclose their ESG performance quickly, accurately, and transparently. However, effective ESG reporting presents significant challenges, particularly in **data collection, analysis, reporting, compliance, and disclosure management.**

To address these challenges, **LiveON Technology** has partnered with a leading ESG platform, which automates data collection and analysis and transforms raw ESG data into meaningful, actionable insights. This helps reduce the **time and cost** associated with ESG reporting, minimize the risk of inaccurate reporting and disclosures, and enable **fast, automated reporting with relevant, consistent, and compliant narratives.**

Manage ESG with Transparency and Efficiency

Our solution provides **instant access to ESG performance data** from a vast network of corporate partners and suppliers. The customizable platform **streamlines communication, compliance, and reporting** across your organization. It enables you to monitor ESG performance not only across your organization but also across your suppliers and products, helping you **make informed decisions and allocate resources** where they can deliver **maximum impact.**

ENGAGE STAKEHOLDERS
Seamlessly exchange data and collaborate on actions across your organization and your extended supply chain.

OPERATIONALIZE STANDARDS
Integrate ESG insights into your decision-making awarenses and improve outcomes.

REPORT METRICS
Automatically capture data in line with ESG reporting standards, disclosure requirements, and frameworks, including CDP, GRI, ISSB, SASB, TCFD, UN SDG, and more.

NET ZERO BUILDING

Towards a Cleaner, Healthier and Sustainable Future

Net Zero Building reduces energy demand to a minimum through smart design and efficient technology, then supplies the remaining energy load using renewable resources such as solar photovoltaic (PV) and Battery Energy Storage System (BESS).



Key Benefits

- Lower Carbon Footprint
- Cost Savings
- Healthier Indoor Environment
- Long-Term Sustainability
- A Greener Future

Future-Ready ESG Solutions

- ESG Strategy
- ESG Reporting
- Net Zero & Decarbonization
- Social Impact
- Governance & Compliance

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LiveON TECHNOLOGY

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Engineering Today
for a Sustainable Tomorrow

Cleaner
Greener
Smarter
Together

100% funding investment BOOT (Build-Own-Operate-Transfer) model or 100% project cost funded Financed CAPEX (EMI) model by us

for Solar PV System and Battery Energy Storage System (BESS) project

Two Flexible Models. One Sustainable Future.

Clean Energy | Cost Optimization | Long-Term Value

Solar PV + BESS Project Life Cycle (BOOT Model)



Project Finance (100% by us) → Design, Engineering & Installation → Operation & Maintenance (15 – 20 years) → Transfer to You (at end of term for ₹1 or zero cost)

Applications



Grid-tied Residential Building | Grid-tied Commercial Building | Utility Scale Power Plants | Battery Energy Storage System (BESS)

Feature	BOOT / OPEX Model (Build – Own – Operate – Transfer)	Financed CAPEX / EMI Model (Debt Financed Ownership)
Asset Ownership	Third-party developer / RESCO owns it. Transfers to you at year 15–20 for ₹1 or zero cost.	**You own the asset from day one** via a bank loan or NBFC financing.
Payment Structure	**Variable or Fixed Operating Expense.** You pay only for the electricity consumed (₹/kWh) or a fixed monthly capacity fee.	**Fixed Capital Outlay.** You pay a strict, fixed monthly Equated Monthly Installment (EMI) regardless of system performance.
Upfront Investment	**Zero.** The developer absorbs all engineering, procurement, and construction costs.	**15% to 30% down payment** as equity margin required by lenders; the rest is funded via debt.
BESS Replacement Risk	**Borne by Developer.** Battery degradation and mid-life augmentation/replacement (usually year 7–10) are fully covered by the vendor.	**Borne by You.** You must fund the highly expensive battery cell replacement out of pocket or via a secondary loan.
O&M Responsibility	Fully managed by the developer's dedicated engineering team.	**Managed by you** or via a separate Annual Maintenance Contract (AMC).
Balance Sheet Impact	**Off-balance sheet** (or treated as an operational lease under updated accounting rules like IFRS 16).	**On-balance sheet asset and liability.** Increases your debt-to-equity ratio.
Tax Benefits	**None.** The developer claims accelerated depreciation and available green tax credits.	**You claim tax benefits,** including accelerated depreciation on solar and BESS assets.

Which Model is Right for You?

BOOT / OPEX is ideal if you want:

- Zero upfront investment
- No technology or replacement risk
- Predictable and lower risk operations
- Focus on your core business
- Long-term clean energy without financial burden

CLEAN ENERGY BRIGHTER TOMORROW

Financed CAPEX / EMI is ideal if you want:

- Ownership of the asset from day one
- To avail tax benefits and depreciation
- Long-term cost savings and asset value
- Greater control over the system
- Suitable balance sheet capacity and financing access

Powering a Cleaner, Greener and More Resilient Tomorrow



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SUSTAINABLE | SMART | SOCIETY

CLEAN MOBILITY GREENER TOMORROW

POWERING PEOPLE | BUSINESSES | CITIES

ZERO EMISSIONS

LOWER OPERATING COST

SMART & RELIABLE INFRASTRUCTURE

SUSTAINABLE CITIES

CLEANER CITIES BRIGHTER TOMORROW

Drive Cleaner Live Greener



CHARGING STATION & BATTERY SWAPPING

FOR EVERY MOVE, A CLEANER TOMORROW

- THREE WHEELER & AUTORICKSHAW
- ELECTRIC 2W & 3W
- COMMERCIAL EV CHARGING
- HEAVY VEHICLE & FLEET CHARGING



BATTERY SWAPPING FOR 2W & 3W

QUICK | CONVENIENT | RELIABLE



HEAVY VEHICLE & FLEET CHARGING

HIGH POWER | FAST CHARGING | FOR A GREENER FLEET

RENEWABLE ENERGY INTEGRATION

ENERGY STORAGE

SMART INFRASTRUCTURE

LOWER CARBON FOOTPRINT

CLEANER CITIES

SUSTAINABLE COMMUNITIES

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POWERING PEOPLE | BUSINESSES | CITIES

SUSTAINABLE SOLUTIONS

SMART INFRASTRUCTURE

RELIABLE OPERATIONS

A GREENER FUTURE

DATA CENTRE

POWERING A DIGITAL TOMORROW

SCALABLE INFRASTRUCTURE
For Growing Businesses

HIGH AVAILABILITY
Reliable & Secure Operations

ENERGY EFFICIENT
Optimized for Low Power Consumption

ADVANCED COOLING
Sustainable & Smart Solutions

DATA SECURITY
For a Connected World

SUPPORTING DIGITAL TRANSFORMATION
For a Smarter Tomorrow

CLEANER CITIES | BRIGHTER TOMORROW



PEOPLE | TECHNOLOGY | SUSTAINABILITY | A BRIGHTER TOMORROW

INDUSTRIAL AUTOMATION

SMARTER INDUSTRY. HIGHER PRODUCTIVITY.

INTELLIGENT CONTROL
Real-time Monitoring & Automation

ENHANCED EFFICIENCY
Optimized Processes

PREDICTIVE MAINTENANCE
Reduced Downtime

FLEXIBLE & SCALABLE
For Diverse Industries

SAFER OPERATIONS
Reliable and Consistent Performance

AUTOMATION TODAY
FOR A SUSTAINABLE TOMORROW



RESOURCE OPTIMIZATION

HIGHER PRODUCTIVITY

COST EFFICIENCY

LOWER CARBON FOOTPRINT

SUSTAINABLE INDUSTRIES

ENGINEERING TODAY FOR A SUSTAINABLE TOMORROW



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Cleaner Greener Smarter Together

OUR STRATEGIC LEADERSHIP TEAM

PEOPLE | VISION | IMPACT
DRIVING A SUSTAINABLE TOMORROW



Dr. Padmanathan K, M.E., Ph. D.,
Director - Technical

20+ years of experience in the Energy and Electric Mobility sectors with expertise in Solar PV, Wind Energy, Battery Energy Storage Systems (BESS), Energy Management Systems (EMS), and Electric Vehicle technologies. Successfully executed 100+ MW Solar PV EPC and BESS projects, along with innovative electric automobile solutions, delivering sustainable energy and smart mobility solutions.

He holds a Ph.D. in Renewable Energy from Anna University and has authored over 40 research publications with high impact factors including Elsevier, Springer, Wiley, IEEE, IET, Taylor & Francis, and MDPI, in leading international journals. His core expertise includes electric mobility (2W, 3W, 4W, EV assembly, charging and battery swapping infrastructure and advanced battery chemistries like Lithium-ion, LFP, and NMC. He also specializes in techno-economic analysis, system optimization, and policy design for solar PV systems, battery storage and microgrids.

"Innovative Solutions for a Cleaner Tomorrow"



Er. Murugan Arunachalam, B.E.,
Director - Operations

He has over 30 years of industry experience and has held senior roles in multinational corporations, especially in the oil and gas sector. A Mechanical Engineering graduate from Kalasalingam Institute of Technology (1997), he currently leads a team of over 1,000 professionals. As a key public sector contractor for IOCL, he oversees petrol and diesel pump operations across Tamil Nadu and Karnataka. He is recognized for his expertise in engineering, finance and business management with a strong focus on operational efficiency, international collaboration, and smart operational strategies.

"Operational Excellence for a Better Future"



Er. N. Govindan, B.E.,
Director - Projects

N. Govindan is a Civil Engineering graduate with over 35 years of experience in construction, real estate, and renewable energy. He has successfully delivered 300+ apartment projects, premium bungalow and villa developments, 25 residential layouts, and led the EPC execution of over 50 MW of solar power projects.

His expertise in engineering, project management, and sustainable infrastructure, combined with his visionary leadership, continues to drive growth and innovation in construction, property development, and renewable energy.

"Building Sustainable Infrastructure"



Dr. V. Karunakaran, M.E., Ph. D.,
Director - Strategic & Government Affairs

He brings 32 years of extensive experience with the Tamil Nadu Electricity Board (TNEB), having served across both TANGEDCO (Tamil Nadu Generation and Distribution Corporation Limited) and TANTRANSCO (Tamil Nadu Transmission Corporation Limited). In addition, he has 6 years of professional experience with the Tamil Nadu Energy Development Agency (TEDA). With his deep understanding of the power and energy ecosystem, he offers strong expertise in government affairs, regulatory coordination, power generation, transmission and distribution, renewable energy, power-sector planning, project development, statutory approvals, stakeholder management, and strategic government liaisoning, making him a valuable asset for navigating complex regulatory and government interfaces.

"Bridging Policy and Progress"



Er. Karthick P, B.E., M.E.,
Director - Plaming & Execution

He holds a Bachelor's Degree in Electrical and Electronics Engineering and a Postgraduate qualification specializing in Power Electronics and Drives. With 15+ years of professional experience, he is a specialist in Solar PV, Battery Energy Storage Systems (BESS), Power Plant Design Engineering, Basic Engineering, Detailed Engineering, and Review Engineering Services. He has been associated with 5,000+ MW of Solar EPC projects and more than 3 GWh of BESS projects, with extensive expertise in electrical system design, grid integration, power evacuation, technical evaluation, engineering review, and project execution support.

"From Concept to Commissioning"



Dr. Radhika Somakumar, M.E., Ph. D.,
Director - Supply Chain & Procurement

She holds a Bachelor's Degree in Electrical and Electronics Engineering and a Postgraduate qualification specializing in Power Electronics and Drives. With 15+ years of professional experience, she brings extensive expertise across Solar PV, Battery Energy Storage Systems (BESS), Electronics Manufacturing Services (EMS), and Electric Vehicle (EV) technologies. She has strong experience in procurement, strategic sourcing, supply-chain management, vendor development, international sourcing, and project coordination, with extensive exposure to suppliers and business partners across China, Europe, the USA, Japan, South Korea, and India. Her professional expertise also includes power evacuation, technical evaluation, engineering review, equipment procurement, supplier coordination, and project execution support, enabling her to effectively manage complex technology and energy projects across the complete supply chain.

"Stronger Supply Chains for a Sustainable World"



Mrs. Manjari Gupta, M.B.A.,
Vice President (HR & Finance)

Mrs. Manjari Gupta brings three decades of extensive professional experience across diverse areas of finance and business advisory services. She has developed strong expertise in financial management, corporate advisory, client relationship management, strategic financial planning, and business development. Over the course of her career, she has built strong and trusted relationships with corporate clients, providing them with strategic guidance and financial advisory support. Her extensive industry experience and strong corporate network make her a valuable contributor to business strategy, financial planning, corporate relationships, and organizational growth.

"People, Performance and Possibilities"

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CONTACT US

Let's Connect for a Cleaner, Greener and Brighter Tomorrow!

Head Office
LiveON Technology Private Limited
Maniam's "Ksheerasagara", New No. 27 / Old No. 12, 12th Avenue, Ashok Nagar, Chennai – 600 083, Tamil Nadu, India

Phone
+91 95001 44328
+91 94458 81357

Email
contact@liveontechnology.com

Website
www.liveontechnology.com

- Trusted Partnership
- Innovative Solutions
- Sustainable Growth
- Customer Centric
- Long-Term Value
- Reliable Support

Together for a Sustainable Future

Renewable Energy | Energy Storage | EV Charging | Automation & Control | Microgrid Solutions | Green Buildings | Circular Economy

