Your Trusted Partner

Our Founder

- The late ***Cavalier Dr. G.K. Devarajulu*** was a visionary entrepreneur an avowed nationalist and a committed philanthropist whose vision transformed Coimbatore. Born in 1911, he started LMW when India was a fledgling nation and through his untiring efforts raised it to great heights as the years passed. The influence of LMW was felt in the field of textile machinery all over India. In fact, it is widely believed that the emergence of Coimbatore as an industrial city is largely on account of his individual efforts as a visionary industrialist.

The Second-Generation Legend

– A Man with Courage & Determination

- Late ***Dr. D. Jayavarthanavelu*** distinguished himself in several sectors like industry, education, healthcare and social welfare. He was the former Chairman and Managing Director of Lakshmi Machine Works Limited, He was nominated to the Board of the Reserve Bank of India by the Central Govt. Dr. D. Jayavarthanavelu was conferred with Doctor of Letters (Honoris Causa) by the Pondicherry University and also by the Annamalai University. His focus on CSR was unique and was a pioneering effort in social responsibility.

MILESTONE

1981	Incorporated
1982	Collaboration with Sprecher+Schuh, for Manufacture of LV Switchgears
1984	Started Control Panel Building & Injection Molding
1991	Collaboration with OSAI-AB, Italy for Manufacture of CNC Systems
1995	ISO 9001-1994 Certification
2007	SAP ERP ECC 6.0 Implemented
2010	ISO 9001-2008 Up-graded Certification
2013	5 S Certification by M/s. AOTS Alumni 5S Forum of India
2014	ISO 14001:2004 Certification
2019	IATF TS 16949:2009 Certification

MILESTONE

1983	Incorporated & Commenced the Operation of Cutting Tool Division
1987	Commenced SPM Division
1989	Commenced Jigs & Fixtures BU & Diecasting Division
1992	Collaboration with Sandvik for Mfg. of CNC Tool Holders
2001	Commenced Pirn Winder (Textile Ancillary Machine) BU
2004	Business Started with GE worldwide
2007	Technology Transfer tie-up with HOLZ, Germany
2012	Commenced the operation of Sheet Metal BU
2014	5 S Certification by M/s. AOTS Alumni 5S Forum of India
2015	ISO 14001 & ISO 45001 Certification
2018	Launched Textile Machinery Products (DYNADOFF & GLICLEAN)

MILESTONE

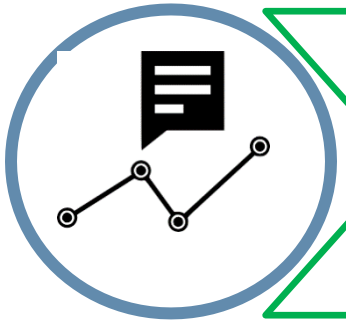
1983	Incorporated
1998	Launch of IE3 Motors
2009	Launch of Special Motors for Renewable Energy Application
2014	Launch of IE4 Motors
2015	Launch of Roller Table Motors
2017	Launch of IE5 Motors
2018	Launch of Crane Duty Motors & IE6 Motors
2019	Launch of NEMA and Flameproof Motors

Our Partnerships / Collaborations / Tie-ups

1982	Manufacture of LV Switchgears with Sprecher+Schuh, Switzerland
1991	Manufacture of CNC Systems with OSAI-AB, Italy
1992	Manufacture of CNC Tool Holders with Sandvik, Sweden
2006	Technology Transfer tie-up with HOLZ, Germany
2007	Technology Transfer tie-up with REELS, Italy
2007	Technology Transfer tie-up with DEETS, Germany

About Us : In a Nutshell

- Genesis : EUR 0.6 Bn + from 60 Years old Group in Coimbatore
- Excellent Operational & Financial Track record



- Annual Turnover of EUR 67 Mn and growing rapidly
- Industries: Textile, Machine tool , Wind & Solar Energy, EV, Petrochemical, Railways, Agri, Healthcare, Retail, Auto, General Engineering, Switchgear , Railway

- ISO-9001-2015, ISO45001-2018, EHS ISO-14001-2015, IATF-16949 Certified Manufacturing Facility
- Products CE Marked, UL Compliant (selectively)
- SAP ERP Full system capability

Vision, Mission & Values

Vision:

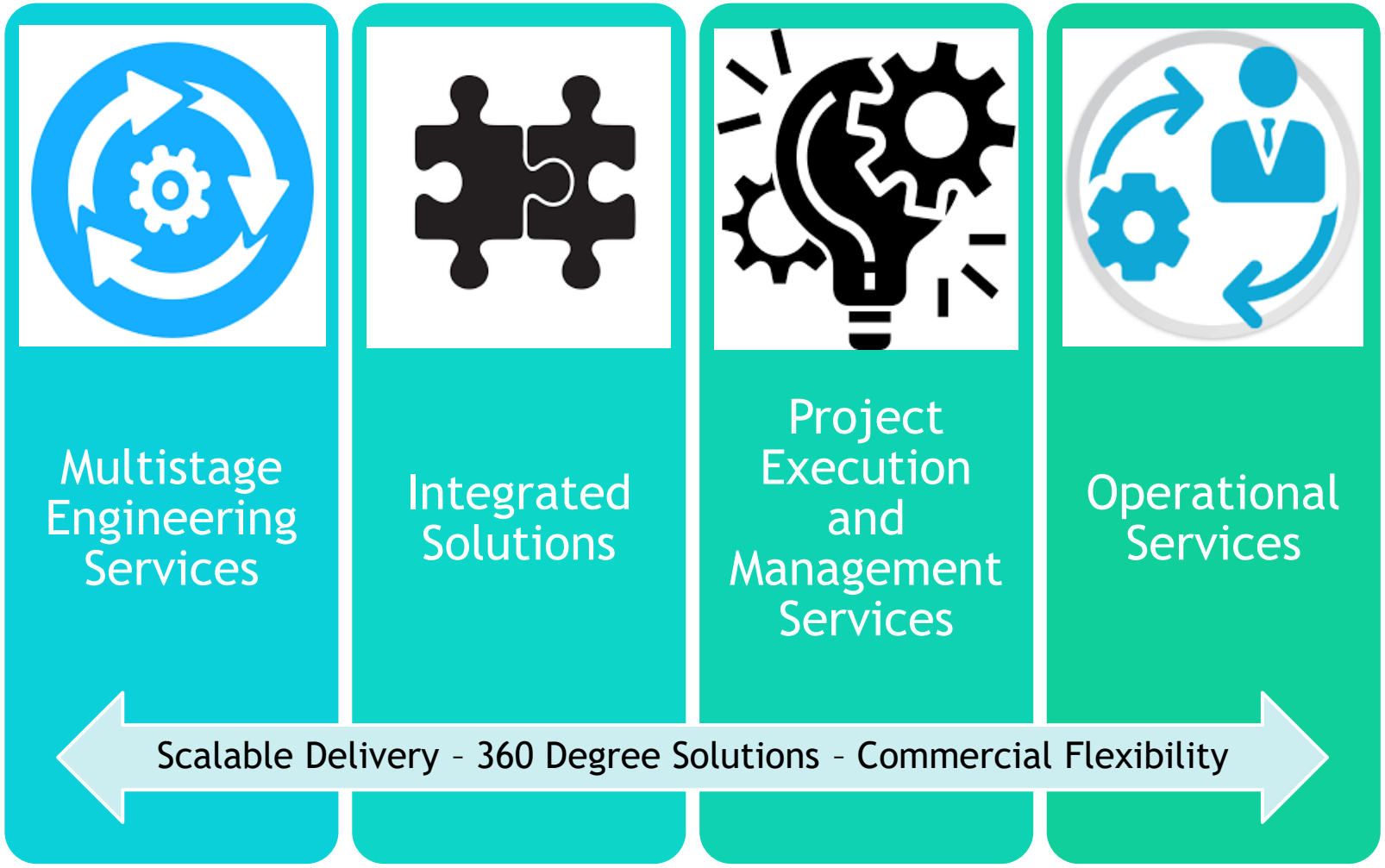
To be a Premier ***Multi-Industry Company*** Known for ***Manufacturing Excellence*** through ***Ethical Business Practices and Quality Standards.***

Mission & Value:

Create ***Superior Value For the Stake Holders*** through Our Products & Services to ***ensure Sustainable Growth and Operational Excellence*** using ***Innovative Methods, Process Driven Approaches and Eco-friendly Solutions.***

Our Guiding Principle

Our Capability



Our Associates

Textile Machinery Division

LMW TEXTILE MACHINERY DIVISION

(Textile Spinning Machine)

Machine Tool Division

LMW MACHINE TOOL DIVISION

(Turning & Milling Centre)

Foundry Division

LMW FOUNDRY DIVISION

(SG Iron Castings)

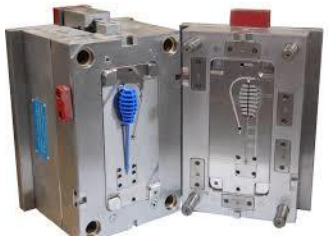
Lakshmi LRT

(Steel Castings)

Our Associates

Engineering & Manufacturing

GKDITR



(Tooling)

LLS

(Injection Moulding)

Advance Technology Center

LMW® ADVANCED TECHNOLOGY CENTRE

(Aerospace & Composite)

Our Group

Control Panel & Electrical BU

(EV Chargers)

(Switchgear)

(Custom-Build Control Panels)

(Wire Harness & Cable Kits)

(Smart Meters)

(Tooling & Injection Moulding)

Our Group

AC Induction Motors

IE6 & IE4

Ultra-High Efficiency Motors Meeting IEC Standards

- 75kW, 66kW, 90kW developed with IE6.
- Regular production motors in IE4 range. Over 2,000 motors operational in the market.
- Unique one off requirement.
- Developed 4.5 kW, 29 V, 3 phase AC motor.
- Specifically developed for Wind energy application.

Servo Motors

Servo

- Servo motors developed with wide range of torque ratings.

We, LPT

Aluminium Die-Casting

- Aluminium Pressure Diecasting.
- Aluminium Gravity Diecasting.
- Solid Block Machined Parts.
- Fabricated Sheet Metal Structures.
- Electro Mechanical Sub Assembly.
- Complete Welding Capability.
- Automated Line for Powder Coating.

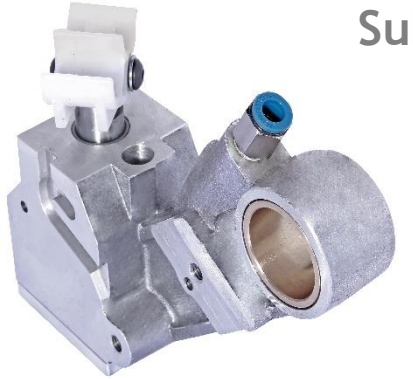
Fabricated Sheet Metal

Die-Cast Components & Related Sub Assey.

Solid Block Machined Parts

Fabricated Sheet Metal Panels & Structures

Electro Mechanical Sub-Assembly



Our Market Presence

Textile Machinery

Solar

Escalator & Elevator

Petrochemical

Wind

Automotive

Railways

Power Grid

Healthcare

Pump

EV Charging

Machine Tool

Banking & Finance

Feed Capability

Control & Network

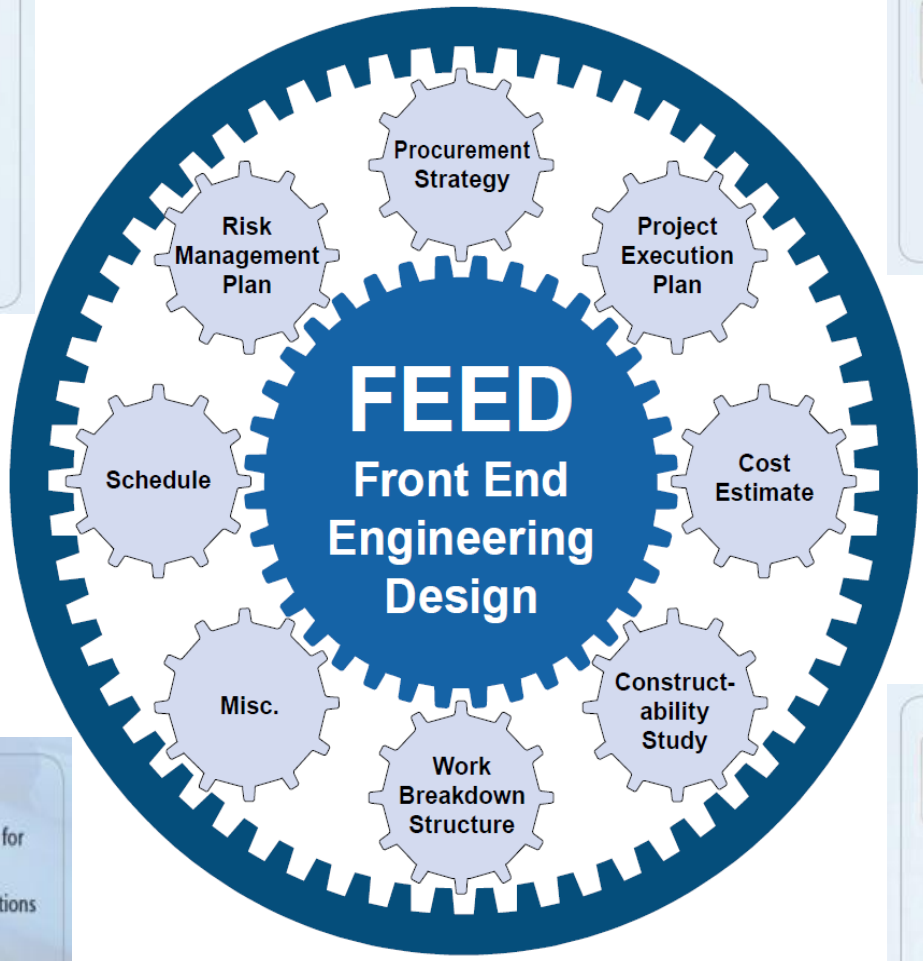
- Preparation of system architecture
- Preparation of operation and control philosophy
- Preparation of control narratives
- Advanced process control reviews
- Hardware specifications
- I/O lists, drawings
- Installed base assessment and obsolescence study
- Network design, security assessment
- IT infrastructure assessment

Safety

- Hot safety system migration strategies
- Risk analysis, HAZID studies
- Safety system design and documentation
- Preparation of safety philosophy / narratives
- SIL target determination and analysis
- ATEX (Hazardous Area Classification compliance)
- Machine safety assessments

Packaged Equipment

- Site-wide standards and specifications for packaged equipment
- Package equipment upgrade specifications
- Packaged equipment integration



Process

- Generation of Process Flow Diagrams (PFD) and P&IDs
- Process modeling
- Technical specification and basis of design development
- Equipment specification and sizing
- Safety device sizing and selection
- Full hydraulic calculations
- PFD review, estimate and report of process performance with MPC system

Quality

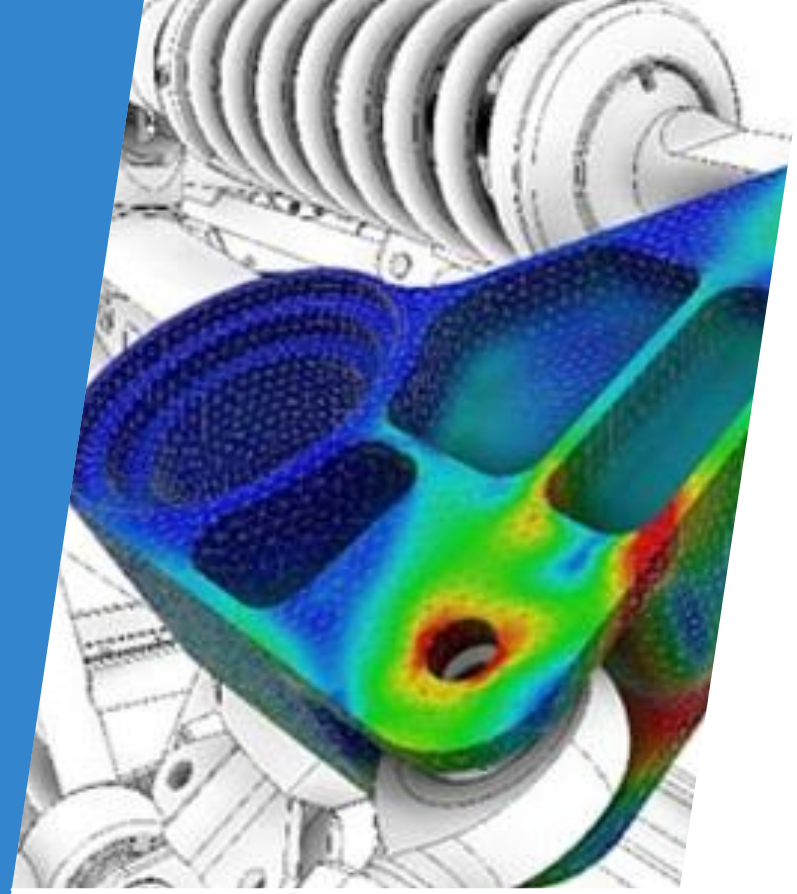
- GMP risk assessment
- Gap analysis vs current regulation study
- Quality documentation (quality plan, validation master plan, etc.)

Instrumentation

- Instrument specifications and selection
- Preparation of instrument indexes and I/O lists
- Preparation of Instrument data sheets
- Cable block diagrams
- P&ID review of instruments required for unit or plant-wide model predictive control (MPC)
- Gap analysis report on optimization instruments

Our Capability – Engineering

- High speed estimation and tendering capability
- Highly competitive delivery lead times.
- Established Detailed Engg for GA, Cable schedules, Embedded system capability, Bus communication solutions, Marshalling Rack, SCADA, Smart meters, PLC, Instrumentation, 3D & cyber capabilities
- Enhancing capability for Intrinsic safety barriers, and standards, TCP/IP , NBIOT, NFC Communication, Constructability, Operationability, Safety (HazOP, HazAn, HIRA) , DCS, IMS &OS



Our Capability – Design

From Art to Part

- CFD
- Simulation
- Kinetics Analysis
- Thermal Analysis
- Stress Analysis
- FEA
- Material Analysis
- Energy Analysis
- Manufacturing Methodology
- Problem Solving

Our Capability – Testing

- Radiography Enclosure of 100 Curie class (8.5 m x 14.4 m x 6 m).
- Motors & Panels Tested as per IEC & IP Standards.
- Inspection and testing facilities like Mass Spectrometer and Boroscope for internal inspection (DIN-7168 EN-1991 & IS2102:1993).
- Leak Test under Differential Air Pressure.
- Special Technique to check error profile in Gears.
- In-house Chemical (ASTM A751) & Mechanical testing laboratory (ASTM-D-2794).
- Salt Spray (ASTM-B-117) & Conical Test (ASTM-D-522), Cross Cut Test (IS-101) for Special Processes (ASTM B 1654).
- PMI Alloy Analyser.
- Qualified Level-II & Level-III personnel available to handle all NDT procedures.

Our Motors Meeting Global Standards

Ultra High Efficiency – IE2, IE3, IE4 and upto IE6

All Enclosures and Cooling Options

Horizontal and Vertical Mounting Options

90W up to 200kW

Fully Customized for Special Applications

230V, 380V, 400V, 415V and others

50Hz, 60Hz, 87Hz and others

IS, IEC, NEMA and CE codes

Facility Overview

Panel Building

Panel Integration & Testing

Tool Room

Plastic Molding Shop

Facility Overview

Fabrication

Assembly Area

CNC Machine Shop

Die-casting Foundry

Facility Overview

Fully certified and flexible production Line

Motor test bench

Winding impregnation with UV curing

Dynamically balanced rotors for silent performance

What we can do for you

Control Panels Meeting Global Standards

Capable of building Enclosures complying with NEMA standard,

Provides a Degree of Protection Against the Following Conditions	Type of Enclosure									
	1 *	2 *	4	4X	5	6	6P	12	12K	13
Access to hazardous parts	X	X	X	X	X	X	X	X	X	X
Ingress of solid foreign objects (falling dirt)	X	X	X	X	X	X	X	X	X	X
Ingress of water (Dripping and light splashing)	...	X	X	X	X	X	X	X	X	X
Ingress of solid foreign objects (Circulating dust, lint, fibers, and flyings **)	...	...	X	X	...	X	X	X	X	X
Ingress of solid foreign objects (Settling airborne dust, lint, fibers, and flyings **)	...	...	X	X	X	X	X	X	X	X
Ingress of water (Hosedown and splashing water)	...	...	X	X	...	X	X	...	...	...
Oil and coolant seepage	...	...	...	..	...	...	...	X	X	X
Oil or coolant spraying and splashing	...	...	...	...	...	...	...	...	...	X
Corrosive agents	...	...	...	X	...	...	X	...	...	...
Ingress of water (Occasional temporary submersion)	...	...	...	...	...	X	X	...	...	...
Ingress of water (Occasional prolonged submersion)	...	...	...	...	...	...	X	...	...	...

What we can do for you

Control Panels Meeting Global Standards

- Capable of building panels complying with IEC-61439 for control gear assemblies and degree of protection.
- Our enclosures shall comply IP-42, IP-54 and IP-55 as per IEC 60529.
- Respective state electrical inspectorate rules shall be adhered.
- Conversion from SLD/Specification to Detailed engineering for GA and cable schedule
- Bus communication solutions
- Marshalling Racks
- DCS/ PLC/ SCADA solution

What we can do for you

Control Panels Meeting Global Standards

- Smart meter solution
- PLC, instrumentation solutions
- 3D and Cyber capability
- Intrinsic safety barriers and standards
- Design & Development of embedded Industrial IOT systems
- D&d of Drones and anti drone systems
- D&d of Smart transmitters and field instrumentation control panels
- Communication: TCP/IP, NVIOT, NFC
- Safety assessment (HazOP, HazAn, HIRA)

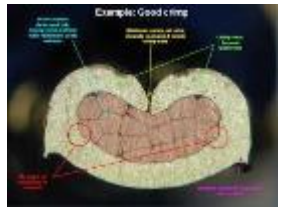
What we can do for you

Energy Solutions

- We shall Cater Level 1 & Level 2 Charging Stations for Electric Vehicles,
  - Level 1 - Home Charging: charging cords are standard equipment on a new EV. Equipped with grounded (three-prong) 120V outlet and can add about 40 miles of range in an eight-hour overnight charge. Overnight Level 1 charging is suitable for low- and medium-range plug-in hybrids and for all-electric battery electric vehicle drivers with low daily driving usage.
  - Level 2 - Home and Public Charging: the most common public chargers typically requires a charging unit on a 240V circuit. With a typical 30 amp circuit, about 180 miles can be added during an eight-hour charge. A standard EV connection plug that fits all current vehicles, except for Teslas, which require an adapter.

Our Product Cycle

Product approvals



Reliable crimping

Reliable torquing

Hi-Quality Workmanship

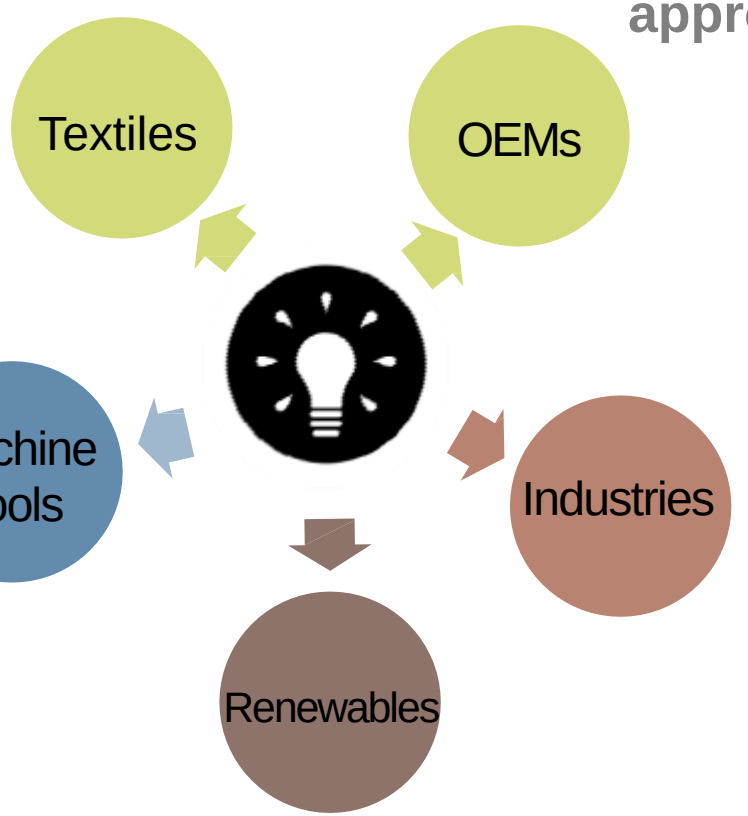
Indoor / Out door usability

Customized

LECS : Achievements

1500 Textile panels p.m. since last 30 years.

Type testing and approvals



600 panels p.m. to LMW & Makino

Engineering Capability & Large Project execution

Solar & Wind Panels For OEMs

What we can do for you

- **Aluminium Die-casting (GDC / PDC) & Machined**

What we can do for you

- **Machined Gears for Gear Boxes**

What we can do for you

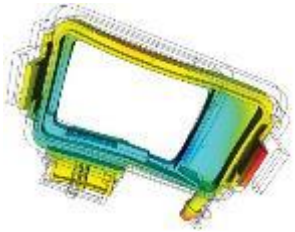
- **Fabricated Sheet Metal Enclosures & Structures**

Our Product Customization Cycle

Product Build

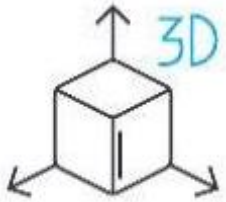
Input Gathering & Consolidation

Simulation & Analysis



Prototype Build

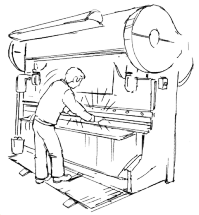
3D Modeling



2D Extraction

LPT : Achievements

- Installed More than 1000+ MR & DR Scan Tables in US & EUROPE Market



- Over 100 Million Spindles equipped with LPT Products spinning High Quality Yarn

- More than 200+ Inverter panels supplied in the last 2 Years.

- Supplying Parts for Automotive occupant Safety for more than 5 years at “0” PPM

- Successfully installed More than 3500+ ATM Machines in the last 2 Years.

Healthcare

Textile

Renewable Energy

Automotive

Banking

What we can do for you

Motors Meeting NEMA Standards

- NEMA motors for the North American market Low-voltage motors are manufactured to the NEMA standard for compliance with the local specifications of the NAFTA markets (USA, Canada and Mexico).
- This includes motors designed in accordance with the US act, EPACT (specified minimum efficiency levels), as well as motors with NEMA premium efficiency levels. The NEMA motor series provide the highest operating reliability for maximum service life

What we can do for you

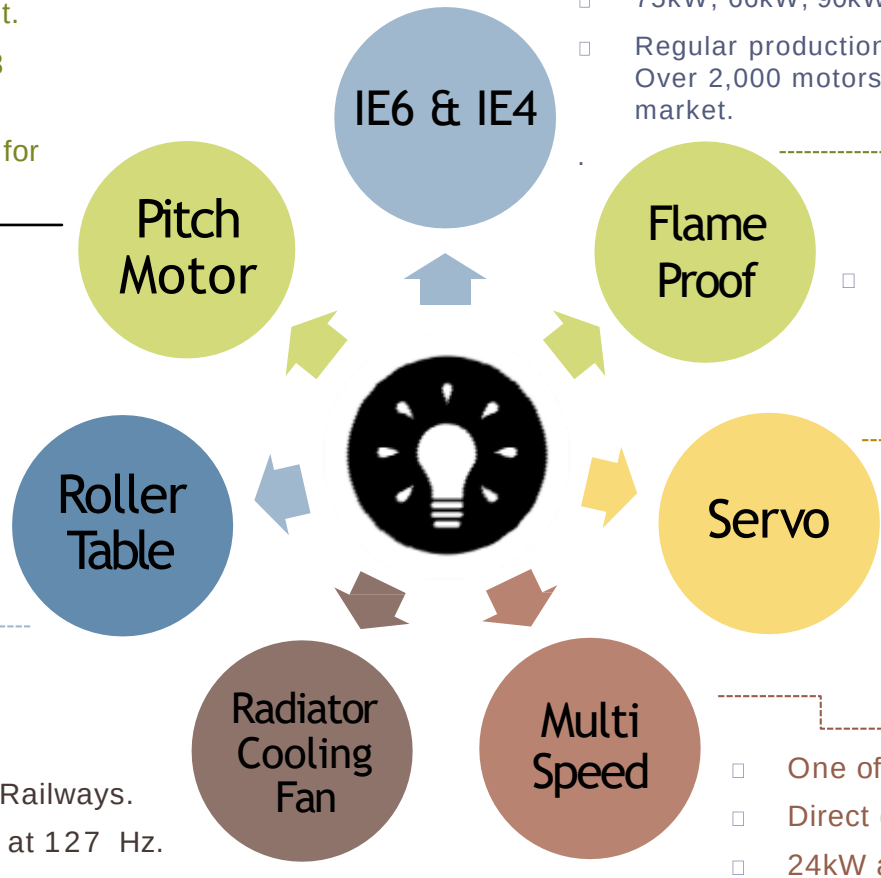
- Execution standard: IEC60034-30 and NEMA MG1
- Energy efficiency grade: IE, IE4, Up to IE6
- Frame size: H80 to H120
- Pole: 2P/4P/6P and 8 Pole on Request
- Rated power: 0.75kW up to 120kW
- Voltage: 380V, 400V, 415V
- Frequency: 50Hz, 60Hz
- Operation mode: S1 (Other operating cycles available upon request)

What we can do for you

- Enclosed protect class: IP55 (Other enclosures available upon request)
- Insulation class: F (temperature rise is examined at 80K)
- Cooling method: IC411
- Mounting method: B3, B5, B35, V1 (Other mounting options available on request)
- Ambient conditions: Altitude is lower than 1000m
- Ambient temperature is 15~40deg
- Connection: Star-connection for 3KW or less whereas delta-connection for 4KW or more.

LEDL : Achievements

- Unique one off requirement.
- Developed 4.5 kW, 29 V, 3 phase AC motor.
- Specifically developed for Wind energy application.



- 75kW, 66kW, 90kW developed with IE6.
- Regular production motors in IE4 range. Over 2,000 motors operational in the market.

- Pipeline of complete range of flame proof motors with international certification.

- Motors with circular fins developed upto 30 kW without cooling fans.
- Custom requirement of 250 starts per hour.
- Heavy duty steel rolling application.

- Servo motors developed with wide range of torque ratings.

- Specialized requirement for Railways.
- Dual Speed motor operating at 127 Hz.
- Special external rotor.
- Currently under RDSO validation.

- One off custom requirement.
- Direct drive with 3 speeds in one motor.
- 24kW and 30 kW developed with VFD.
- Developed for and approved by Liebherr Germany for tower crane application.

What are we looking For ?

Contact Us

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