



MEGAWIN

Continue to Innovate



Business profile

Megawin is a leader in medium voltage products and solutions with over 30 years of industry experience. We aim to increase revenue and reduce downtime through our best in class products and solutions, ensuring quality of power, safety and reliability.

Established in 1983, Salem, Tamil Nadu, India, Megawin grew as a completely backward integrated organization aiming to reduce the total cost of ownership. Over the years we have developed a complete range of medium voltage products to cater to our customers.



Vision

To emerge as a global leader in providing complete electrical solution in the medium voltage and electrical automation field, through continuous innovation



Mission

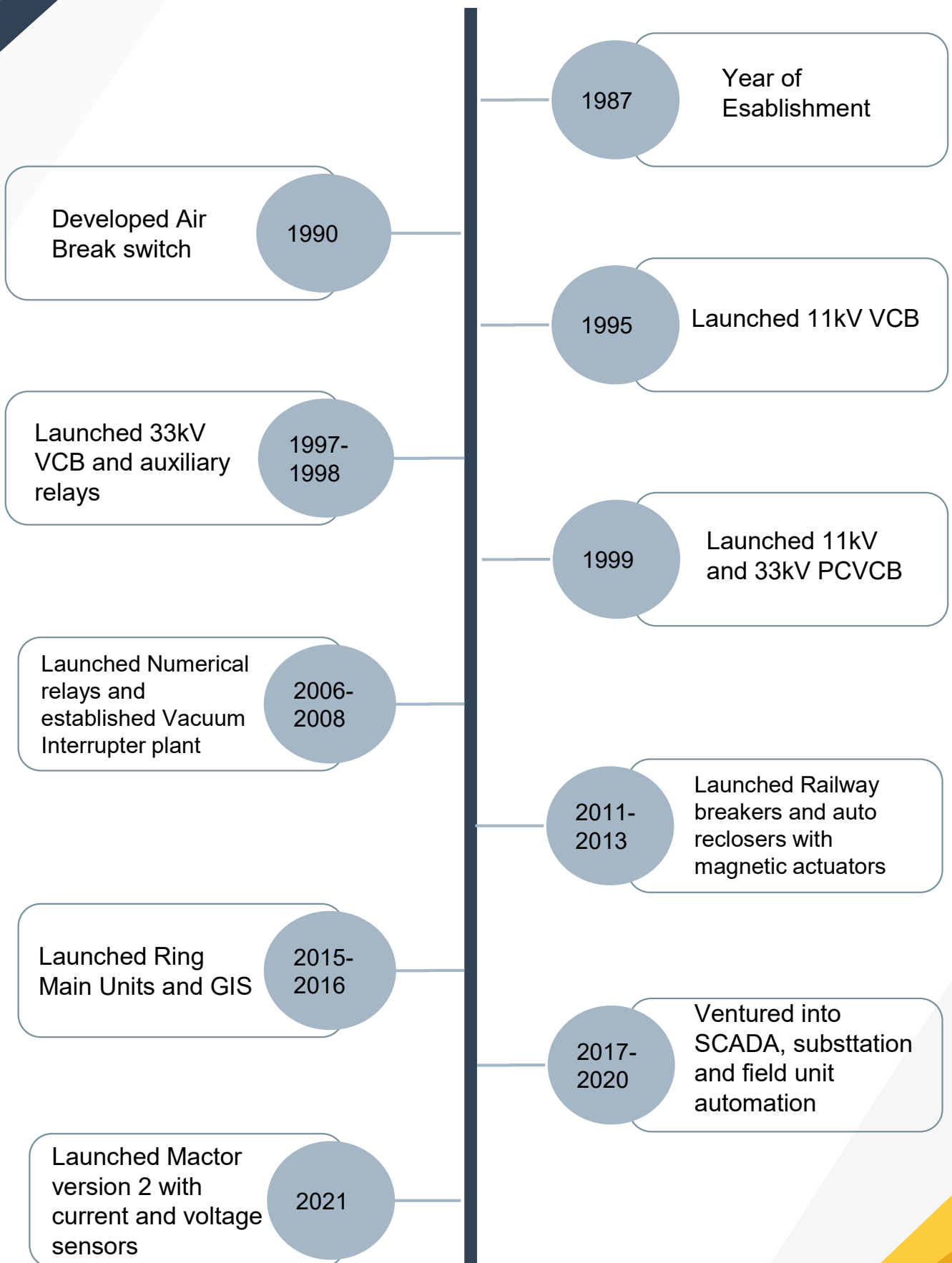
To exceed our customer's expectation in design, quality and delivery, while offering cost effective products, solutions and services through continuous improvement, superior processes, state of the art facilities and strong relationships.



Values

- Made in India
- Business integrity
- World class quality
- Safety
- Continuous innovation
- Social responsibility
- Quick delivery and customer centric

TIMELINE



▶ We provide **End to end** medium voltage solution

Medium Voltage Products

We offer complete range of medium voltage products

Protection and Control Products

It's the star at the center of the Solar System.



Automation

We offer complete range of medium voltage products.

Communication

It's the star at the center of the Solar System.

Medium Voltage Product Range

Megawin switchgear offers medium voltage switchgear products with type tests from accredited STL and NABL labs, as per the latest IEC and relevant standards



Gas Insulated Switchgear

- Saara Series
- Gas Insulated MCVCB



Air Insulated Switchgear

- Diya Series
- Paras Series
- Param Series
- m-Smart
- Mactor
- m-Smart Reclosers
- PCVCB
- Railway Breakers



Transformers & CSS

- Sethu Series
- Sarva Series

KEMA Labs



KERI

CESI

Shaping a Better Energy Future

Diya series

- Range up to 12kV, 2000A, 25kA
- Panel width: 650mm
- Conforms to IEC 62271- 100 & 200
- Spring operated mechanism suitable for E2/C2/M2 class
- Draw out VCB's
- Complete with CTs, PTs, Relays, Meters, Control and Indication devices fully wired up and ready to use
- Compatible with current sensors, voltage sensors and magnetic actuator mechanism
- Suitable for SCADA
- Internal arc tested



Paras series

- Range up to 15kV, 2000A, 31.5kA
- Panel width: 600mm
- Conforms to IEC 62271- 100 & 200
- Spring operated mechanism suitable for E2/C2/M2 class
- Draw out VCB's
- Complete with CTs, PTs, Relays, Meters, Control and Indication devices fully wired up and ready to use
- Compatible with current sensors, voltage sensors and magnetic actuator mechanism
- Suitable for SCADA
- Internal arc qualified AFLR 31.5kA/ 1 sec



Param series

- Range up to 15kV, 2000A, 31.5kA
- Panel width: 500mm
- Conforms to IEC 62271- 100 & 200
- Magnetic actuator mechanism suitable for E2/C2/M2 class
- Complete with CTs, PTs, Relays, Meters, Control and Indication devices fully wired up and ready to use
- Suitable for SCADA
- Internal arc tested



m-Smart VCBs

- Range up to 36kV, 2000A, 25kA
- Conforms to IEC 62271- 100 & 200
- Magnetic actuator mechanism suitable for E2/C2/M2 class
- Complete with Current Sensors, Voltage Sensors, Relays (with in built metering, protection, control, annunciation and control) fully wired up and ready to use
- Suitable for SCADA
- Internal arc tested



SAARA Series (RMUs)

- Range up to 12kV, 630A, 16kA
- Conforms to IEC 62271- 100 & 200 & IEC 62271-1
- Circuit breaker with vacuum interrupter
- Circuit breaker and load break switch have motorized spring charge mechanism and manual operation options
- Cable access from front
- Motorized earth switch
- Complete with CTs, PTs, Relays, Meters, Control and Indication devices fully wired up and ready to use
- SCADA compatible
- Internal arc tested
- Extensible



Porcelain Clad VCBs

- Range up to 36kV, 2000A, 25kA
- Conforms to IEC 62271- 100
- Circuit breaker with vacuum interrupter
- Magnetic actuator mechanism as optional
- Suited for structure mounted application
- SCADA compatible



Gas Insulated Switchgear (GIS)- 12kV

- Rating: 12kV, 1600A, 25kA
- Conforms to IEC 62271-100/200/102
- Indoor and outdoor versions
- Fixed type breakers
- Extensible both sides
- VCB with three position isolator
- Dimensions - Feeder width 600mm x depth 1545mm x 2525mm
- Silicon coated Bus-bars on bushings, sealed in touch-proof boot
- No need for SF6 gas top-up during installation
- CT / PT are outside SF6 chamber, easy access
- Line PT or Bus PT option available
- SCADA compatible - IEC 61850
- No need for touch-proof boots at cable termination points



Gas Insulated Switchgear (GIS)- 36kV

- Rating: Up to 36kV, 1600A, 25kA
- Conforms to IEC 62271-100/200/102
- Indoor and outdoor versions
- Fixed type breakers
- Extensible both sides
- VCB with three position isolator
- Easy push fit inter panel coupling
- Silicon coated Bus-bars on bushings, sealed in touch-proof boot
- No need for SF6 gas top-up during installation
- CT / PT are outside SF6 chamber, easy access
- Line PT or Bus PT option available
- SCADA compatible - IEC 61850
- No need for touch-proof boots at cable termination points



Sethu Series (Cast Resin Transformers)

- Range up to 36kV, 5MVA
- Conforms to IEC 60076
- User friendly, simple design, compact
- Cast Resin transformers (dry type) made with latest HPG
- Zero partial discharge at rated voltage
- High dielectric and short circuit withstand capacity
- Eco friendly- no oil, highest safety, no fire hazard, no explosion, SG6 free
- Proven design
- Supplied in sheet enclosures for indoor and outdoor applications



Sarva Series (Package Substation)

- Sheet steel enclosures suitable for indoor and outdoor installations
- Transformer options- Cast resin transformers up to 5MVA
- HT protection- LBS, VCB (AIS, GIS), RMU
- LT options- as per customer request
- Highly customizable
- Auto switch off transformer feature for all doors of transformer chamber



Mactor

- Range up to 36kV, 1250A, 25kA
- Conforms to IEC 62271- 100
- Circuit breaker with vacuum interrupter
- Magnetic actuator mechanism
- Complete with Current Sensors, Voltage Sensors, Relays (with in built metering, protection, control, annunciation and control) fully wired up and ready to use
- Pole mount and pedestal mount options are available
- Off-load isolators
- SCADA compatible



m-Smart Auto Reclosers

- Range up to 36kV, 630A, 16kA
- Conforms to IEC 62271- 111
- Circuit breaker with vacuum interrupter
- Magnetic actuator mechanism
- Complete with Current Sensors, Voltage Sensors, Relays (with in built metering, protection, control, annunciation and control) fully wired up and ready to use
- Pole mount and pedestal mount options are available
- Off-load isolators
- SCADA compatible



Railway Breakers

- Rating: 27kV, 2000A, 25kA
- Conforms to IEC 62271- 100
- Available with single pole and double pole options
- Circuit breaker with vacuum interrupter
- Magnetic actuator mechanism
- SCADA compatible



Vacuum Interrupters

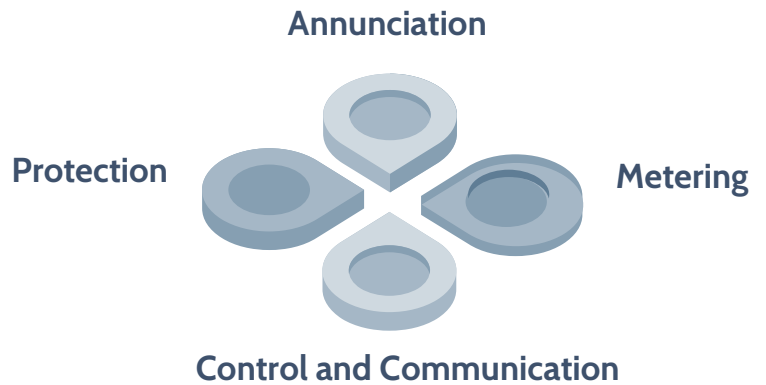


- Voltage Range: 3.3kV – 36kV
- Breaking Capacity Range: 12.5kA- 40kA
- Continuous current: Up to 2500A
- Circuit breaker
- Conforms to IEC/IEEE 62271-37-013

MF790c Feeder Manager



Comprehensive



- **Rating**

- Rated auxiliary supply: 18V to 75V DC or 88V to 280V DC
- Current Sensor Ratings: 60A/ 250A/ 750A
- Voltage Sensor Ratings: 1.905kV/ 3.811kV/ 6.351kV/ 12.702kV/ 19.053kV

- **Protections**

- Over Current, Earth Fault, Over Voltage and Under Voltage Protection
- Three stages of phase and earth fault protections (IEC std. curves)
- Sensitive earth fault protections
- Over voltage and under voltage protections
- Residual voltage protection

- **Metering**

- Three phase power and energy for all four quadrants

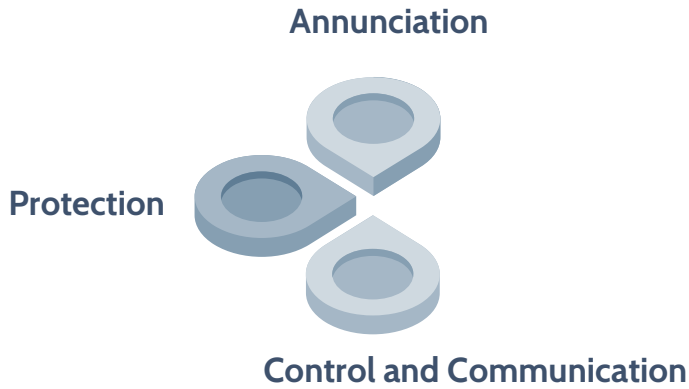
- **Additional functions**

- Auto reclosing, Sectionalizer, cold load pick up, demand control, dead line charging

- **Protocols-** IEC 60870-5-101,103,104, MODBUS.

MB140c Breaker Manager

In- built



- **Rating**
 - Rated auxiliary supply: 18V to 75V DC or 88V to 280V DC
 - Rated current: 1A- 5A
 - Frequency: 50Hz
- **Protections**
 - Over Current, Earth Fault, Over Voltage and Under Voltage Protection
 - Three stages of phase and earth fault protections (IEC std. curves)
 - Sensitive earth fault protections
 - Over voltage and under voltage protections
 - Residual voltage protection
- **Additional functions**
 - Auto reclosing, Sectionalizer, cold load pick up, demand control, dead line charging
- **Protocols-** IEC 60870-5-101,103,104, 61850 MODBUS
- **Features**
 - Local and remote function with password protection
 - Multi shot auto reclose

M140 Series

- **Rating**

- Rated auxiliary supply: 18V to 75V DC or 88V to 280V DC
- Rated current: 1A- 5A
- Frequency: 50Hz

- **Protections**

- Over Current and Earth Fault protection

- **Protocols-** IEC 60870-5-101,103,104, 61850 MODBUS

- **Features**

- Local and remote function with password protection
- Primary and secondary metering
- In built fault and event recorder
- Maximum demand
- Three stages of phase and earth fault protections (IEC std. curves)



MVAA Series (Auxiliary Relays)

- **Models**

- MVAX (TCS relay)
- MVAJH (Hand reset relay)
- MVAJS (self reset relay)

- **Type-** Electromechanical relay

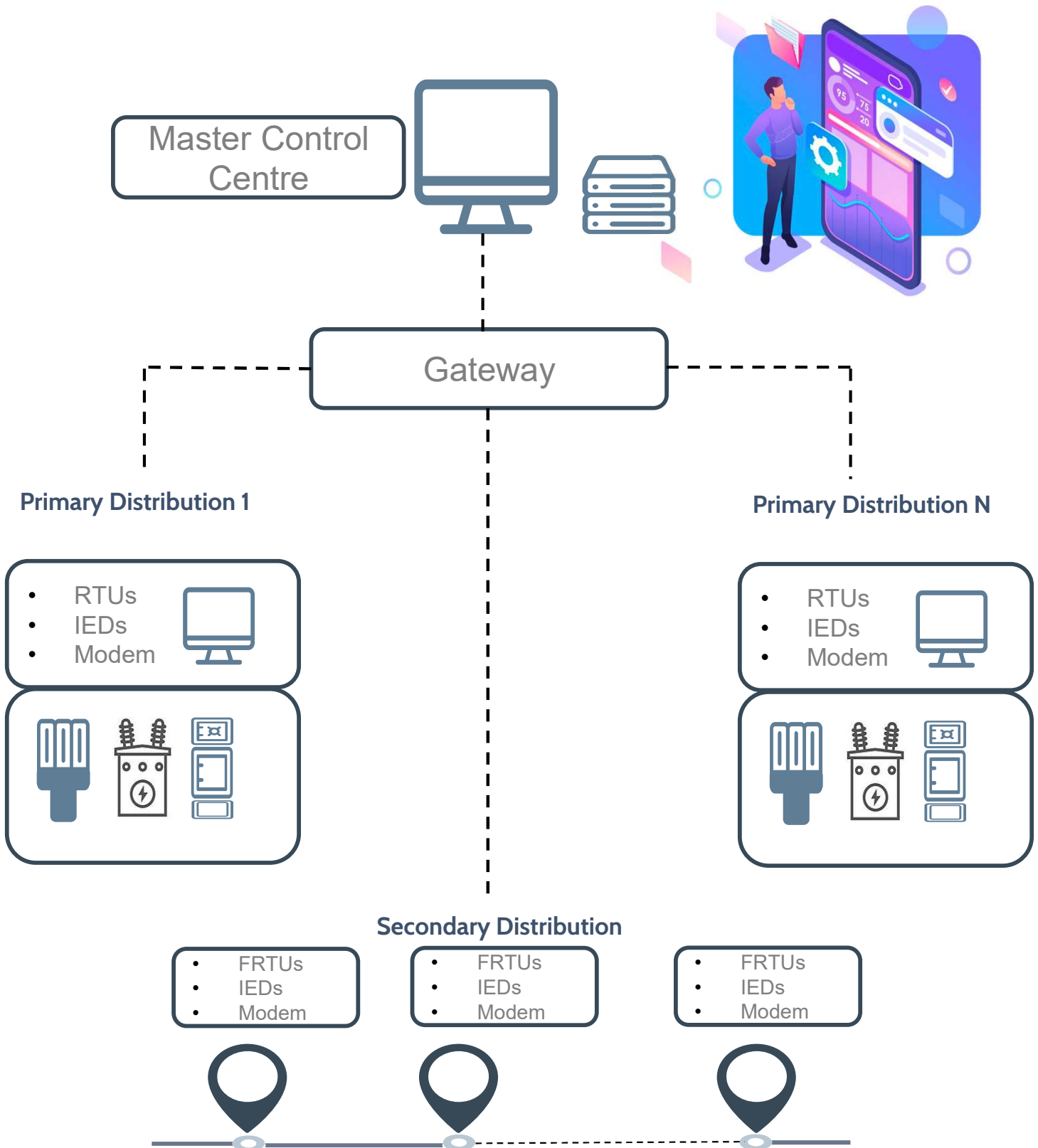
- **Features**

- Hand reset and self reset contacts
- Hand reset flag
- Positive action without chatter (MVAX only)
- Pre-closing and after closing supervision (MVAX only)



Communication and Automation

We help customer to increase their revenue and reduce downtime by fully integrating all field devices and automating their power systems



We Understand the Value of Uninterrupted Power Supply for All Applications



Installation Testing and Commissioning

We provide complete assistance for installation, testing and commissioning for all our equipments



Preventive Maintenance Servicing

Megawin undertakes annual preventive maintenance contracts to periodically service the equipments and ensure 100% reliability of your electrical infrastructure



Spare Parts Trading

Spare parts are readily available with us and also through our channel partners

Five State of the Art Plants



Unit-2

Corporate office, R&D centre and dedicted manufacturing areas for AIS panels, Cast Resin Transformers, Package Sub-station

Unit-1

Dedicated manufacturing areas for GIS panels, RMUs, Railway Breakers, Protection and Control devices



Unit-3

State of the art Vacuum Interrupter plant



Protection and Control

Dedicated unit for
**Communication and
Automation, numerical relays,
auxiliary relays and control units**

Unit-5

Dedicated manufacturing unit for
Fabrication and Powder Coating



Unit-4

Dedicated unit for **tool room and
machine shop**



ESTEEMED CUSTOMERS

Power Generation



Power Transmission



ESTEEMED CUSTOMERS

Power Distribution



Tamil Nadu Electricity Board



TSSPDCL



Steel and Cement



ESTEEMED CUSTOMERS

Public sector



and more...

Large Industries



and more...

Head Office and Factory

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