

COMPANY PROFILE

ARRIS
TECHNOLOGIES

EXPERT
ENGINEERS

EFFICIENT SOLUTION | BEST SERVICE | COMPETITIVE PRICE | TIMELY DELIVERY

COMPANY DIVERSE

Expert Engineers & Arris Technologies are Group Companies specializing in electro-mechanical solutions for a wide range of industries. With a decade of experience, we excel in power, industrial, and infrastructure needs. Our dedicated team of seasoned professionals ensures quality, on time response and customer satisfaction.

OUR OFFERINGS

- COMPACT SUB STATION
- TRANSFORMER
- MV PANEL
- HT METERING CUBICAL
- RING MAIN UNIT
- HT & LT MOTORS
- DRIVES & SOFT STARTER
- INDUSTRIAL SAFETY SOLUTIONS
- HPN PRESSURE SYSTEM
- STP / ETP / WTP
- FIRE PUMPS
- FM / UL MSMO FIRE PUMP
- HOT WATER SYSTEM
- SWIMMING POOLS
- RO + DM & SOFTNER

Our ethical, professional, and proactive approach has resulted in a growing list of satisfied customers. We prioritize customer delight through our indepth knowledge & resourcefulness. Choose EXPERT & ARRIS for your electro-mechanical challenges.

- **Head Office:**
Our Strategic Core
- **Manufacturing Plant:**
Cutting-Edge Facilities
- **Employee Strength:**
Skilled Excellence



- **Service Infrastructure:**
Unwavering Support
- **Testing Facilities:**
Quality Assurance Mastery
- **Design & Engineering:**
Tailored Innovation

TRUST

We possess a comprehensive understanding and profound appreciation for the multifaceted nature of trust in life. When trust is cultivated and strengthened in one domain, its positive influence extends seamlessly to encompass all other areas. Our commitment to acting with unwavering integrity is an inherent part of our organizational DNA. It is a fundamental principle that trust is nurtured when individuals exhibit vulnerability and are safeguarded from any form of exploitation.

VALUE

We are dedicated to achieving excellence, earning the respect of both colleagues & customers. We recognize the value of a harmonious work-life balance in enhancing motivation and productivity. As a cohesive team, we have unwavering trust in one another and provide mutual support while working.

MISSION

At our core, our mission is to empower individuals and organizations to reach their fullest potential. We are dedicated to delivering innovative solutions and services that enhance the lives of our customers and contribute to their success. With a steadfast commitment to integrity and a focus on building trust, we strive to create an environment where individuals can express vulnerability without fear of exploitation.

We are driven to set the standard for excellence, earning the respect and loyalty of our customers & partners. We believe in the significance of a balanced work-life approach, understanding its power to ignite motivation & drive productivity. As a united team, we place unwavering trust in one another, offering unwavering support as we collaborate towards our shared mission of empowering and enabling growth.





COMPACT SUB STATION

Compact sub station includes MV Switchgear, Transformer & LV feeder in one canopy with different compartment.

- Manufacturing range upto 3500 KVA & upto 33 KV class
- Highly reliable, safe, compact, easy to installation & maintenance free product suitable for installation of indoor and outdoor for Commercial Buildings, hospital, industries and infrastructure project etc..
- Inhouse facilities of Fabrication, Transformer Switchgear, Design & Testing.
- Option available for transformer i.e. corrugated oil cooled & dry type (cast resin).

TRANSFORMER

OIL COOLED & DRY TYPE

- Manufacturing range upto 66 KV, 15 MVA
- We have inhouse manufacturing facility of oil cooled and dry (cast resin) type Transformer.
- Manufacturing of different rating of distribution, power, furnace, solar, wind And special type of transformer.
- Our superior technical personnel, testing facilities and extensive experience in the transformer industry set us apart from the competition.



MV PANEL

- Manufacturing Facilities from 3.3 KV to 33 KV Vacuum circuit Breakers Panel for Indoor and Outdoor Application.
- Manufacturing Facilities and Credential of STC - 13.4 KA to 40 KA Panel.
- Authorized Spares & Service Dealer for CG Power and Industrial Solution Limited
- PAN India service network

HTMC

HIGH TENSION METERING CUBICAL

- We are approved vendor for Gujarat DISCOM for HT Metering Unit.
- Highly Reliable Manufacturing Facilities and technical Staff to Build Quality Product.
- Manufacturing Facilities of 11 KV, 22 KV and 33 KV.
- Easy to Installation, Reliable and Space saver in Industries.



DISCOM APPROVED

RMU**RING MAIN UNIT**

- Authorized Channel Partner for CGPISL of Ring Main Unit for 11 KV, 22 KV and 33 KV SF6 Gas Insulated Suitable for Indoor and Outdoor Installation.
- Compact Size, Maintenance Free and Safely Operation.
- Inbuilt Earthing Switch and Off load Isolator

**LT MOTOR****TYPE:**

- Motors General Purpose Applications
- Motors for Hazardous Area (Flame Proof Motors, Non Sparking, Increase Safety)
- Crane Duty & Slipping Motors
- Brake Motors
- Fire Motors
- Smoke Extraction Motors

SPECIFICATION:

- Efficiency - IE2/IE3/IE4
- Voltage: 415V / upto 690V
- Frequency: 50 Hz / 60 Hz
- Mounting: Foot, Flange, Foot Cum Flange
- Protection: IP55 / Others
- Range: 0.5 HP to 500HP
- Frame: 71 to 400
- Pole : 2 to 8 Pole

MV MOTOR**TYPE:**

- CACA
- TEFC
- CACW
- Flame Proof
- TETV
- SPDP

SPECIFICATION:

- Voltage: 3.3KV / 6.6KV / 11KV
- Frequency: 50 Hz / 60Hz
- Mounting: Foot, Flange, Foot Cum Flange
- Protection: IP55
- Power Range: Upto 4MW
- Frame: Upto 710
- Pole : 2 to 14 Pole

**DRIVES & SOFT STARTER****TYPE:**

- Micro and Mini Drives
- OEM and General Purpose Drives
- System Drives
- HVAC-R Drives
- Motor Mounted Drives
- Drives for Elevators

Application:

- Extruders
- Conveyor belts
- Roller table
- Fans / Exhausters
- Pumps
- Granulators / Palletizers
- Stirrers / Mixers
- Rotary filters
- Winding machines / Uncoiling machines
- Cutting & welding Machines



HPN PRESSURE SYSTEM

FEATURES & BENEFITS

- Cascade control – only the required number of pump is in operation at any time.
- Single phase prevention & overload motor prevention.
- Dry run protection & low pressure protection.
- Manual operation.
- Pump ON & pump Fault indication.
- Automatic alternation (changeover) of lead pump to ensure equal run time of all pumps.
- At the heart of the controller is a PLC with Color touch Screen Display (HMI) to program.

APPLICATIONS

Transfer and pressure boosting of clean water for community water supply, Apartment, Hotels, Hospitals, Industries, Commercial buildings, Schools, etc.

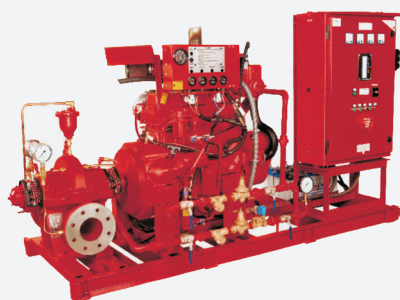
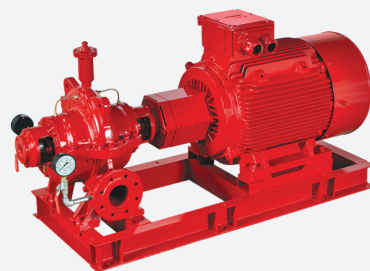
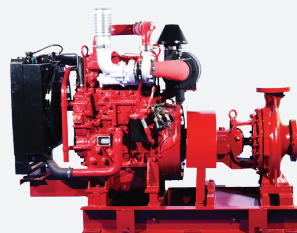
FIRE PUMPS

FEATURES & BENEFITS

- Diesel engine as well as electric motor driven pump.
- Horizontal & Vertical Pump, Centrifugal back pullout/ splitcase pump available.
- Automatic air relief valve.
- Suitable for space saving installation systems and retrofit applications.
- The split case construction shall enable removal and dismantling of the internal pump parts like ball bearings, wear rings, shaft seal and impeller without disturbing the motor & pipe work.

APPLICATIONS

- The fire pumps shall be used in fire-fighting applications for supplying water to fire hose reels, fire hydrants or sprinkler systems in areas which are prone to the hazards of fire.

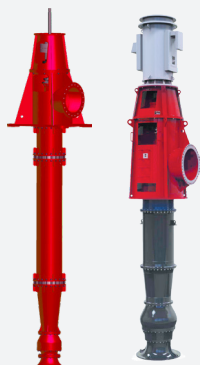


FM / UL LISTED FIRE PUMP

We supply cost effective solution for the FM / UL listed fire pump for the requirement.

- End suction pump set flow rate : Up to 2500 US gpm
- Horizontal split case pump set flow rate : Up to 5000 US gpm
- Vertical turbine pump set flow rate : Up to 5000 US gpm

Company will provide the best after sale support for the customer future requirement for the spare and service.



VERTICAL TURBINE PUMP

SPECIFICATIONS

- Delivery size up to 2200 mm
- Flow cap. up to 55000 m³/hr
- Head up to 240 metres

FEATURES & BENEFITS

- FM approved /UL Listed
- Vibration-free performance
- Low submergence
- No priming required
- Dry pit/Wet pit arrangement available
- 50Hz / 60Hz availability

MSMO MULTI-STAGE MULTI-OUTLET FIRE FIGHTING PUMP

We offer of the Multi-Stage Multi Outlet (MSMO) pump. These pumps are used in fire protection systems in most high-rise buildings where it is vital to maintain different pressure levels at diverse pressure zones.

MSMO fire-fighting pumps has many benefits like:

- The building needing fewer pumps
- Saves space which can be used in a better way
- Reduces the number of pipework and valves
- Eliminates the need for water storage tanks on intermediate floors

Apart from these, the cost and space are also reduced along with fewer power requirements and smaller pump rooms.



INDUSTRIAL SAFETY SOLUTIONS

- Fire Doors
- Fire Retardant Coating
- Operator Safety Devices
- Fire Barrier for Cable Openings
- CO₂ Flooding System for Electrical Panels
- NIFPS System for Transformer



HOT WATER SYSTEM

Water Heaters

We offer water heaters which are known for being innovative, energy efficient, and providing quick and consistent heating throughout their lifespan. Find the best match for your home today!

- All in one heat pump 100, 160, 200, 350, 420 (Ltr/Hr) & Split Heat Pumps
- Split Heat pump Air to 'Water We Having Range of Ltr/Hr as 100,140, 200, 280, 410 & 820. Swimming Pool Heat Pump





WTP

RAW WATER TREATMENT

- Aeration
- Coagulation & Flocculation
- Clarification
- Filtration
- Disinfection

DRINKING WATER TREATMENT

- RO technology
- UV technology
- ESS technology
- Resin technology
- Alkaline & hydrogen

PROCESS TREATMENTS

- Softeners
- Demineralization
- Nanofiltration
- Reverse Osmosis
- Ultrafiltration

ETP

EFFLUENT TREATMENT PLANT

An Effluent Treatment Plant (ETP) is a specialized facility designed to treat and purify industrial waste-water before its safe discharge into the environment.

ADVANTAGE:

- Wastewater treatment systems eliminate disease-causing bacteria & kill harmful organisms.
- Low maintenance.
- Minimal odor emission.
- Civil & Prefab Options Available.
- Prevent diseases.
- Produce clean and reusable water
- Breakdown Solids faster.



STP

SEWAGE TREATMENT PLANT

Technologies we having for STP's

- MBBR : MODEL - Arris Moving Bed Bio Reactor.
- MBR : MODEL - Arris Membrane Bio Reactor.
- SBR : MODEL - Arris Sequential Batch Reactor.

FEATURE

- Single tank design
- 1/3 space of conventional STP.
- Uses high porosity moving media for bacteria to grow.
- Useful for modification / capacity extension of existing STP.
- 10 KLD to 200KLD: MS with anticorrosive paint & civil option available.
- 200KLD to 5000KLD: civil based MBBR STP.

ADVANTAGE

- Minimum land usage.
- Low operating cost.
- Minimum power & chemical requirement.



SWIMMING POOLS

- We provide end-to-end pool services: Design Consultancy, Supply, Installation, and Commissioning.
- Filtration Systems
- Pumping Systems
- Water testing solutions
- Pools accessories
- Heating & chilling systems
- Disinfection Systems
- Cleaning systems

ARRIS TECHNOLOGIES: YOUR PREMIER SWIMMING POOL SOLUTION.

We excel in large project delivery with value-added products and nationwide service. Our proven track record guarantees excellence in all your pool needs.

EXPLORE OUR POOL OFFERINGS:

- **Olympic Pool:** Designed for international competitions and federation standards.
- **Lap Pool:** Ideal for fitness and health, with a long, narrow design.
- **Diving Pool:** Safe diving from boards and platforms with standard depth specifications.
- **Infinity Pool:** Creates a stunning visual effect with water flowing over edges.
- **Leisure Pool:** Designed for family fun with a beach area, water features, wave machine, and more.

RO + DM & SOFTENER

RO (Reverse Osmosis) + DEMINERALIZATION (DM) WATER TREATMENT PLANT

Demineralization (DM) is the process of removing minerals and salts, like cations (sodium, calcium, iron, copper) and anions (chloride, sulfate, nitrate) from water using these methods:

- Ion Exchange (Cation- Anion- Mixed Bed) Treatment
- Membrane Filtration (Like Reverse Osmosis followed by MB)
- Electro Deionisation (EDI)- RO+ EDI • Distillation / Evaporation

Ion Exchange: DM Water has typical conductivity <30 mhos/cm. Deionized (DI) Water, even purer, is achieved with a Mixed Bed (MB) or Electro De-Ionization (EDI). MB-based DI water has conductivity <5 mhos/cm, while EDI-based DI water has conductivity <0.5 mhos/cm.

WATER SOFTENER PLANT

ADVANTAGES

- Easy Installation and Operation.
- Produces Clear, Soft, and Non-Scale Water
- Low Operating Costs.
- Utilizes High-Capacity Polystyrene bead cation exchange resin for stability and longevity.

TECHNICAL SPECIFICATION / AVAILED RANGE OF CAPACITY

- Starting Dia of Filter 600mm to 2400 mm.
- Resin Make: Ion Exchange NA-225.
- MOC of Filter: FRP, MS, MSEP, MSRL, SS 304 & 316.
- MOC of Frontal Pipe: PVC, UPVC, MS, MSEP, MSRL, SS 304 & 316.
- Operation Mode: Auto & Manual



INDUSTRIES WE SERVE



PHARMACEUTICALS
GO ALL THE WAY FOR
UTMOST EFFICIENCY



CERAMICS
HIGH PERFORMANCE
AND BEST STABILITY



AUTOMOBILE
POWER THE FUTURE WITH
TOUGHEST SOLUTIONS



PAPER
MAXIMISE EFFICIENCY
AND PROFITABILITY



TYRE
HIGHLY RELIABLE,
DURABLE EASIER



TEXTILES
LET GO OF THE HASSLE



HOTELS & CLUBS
MAKE AN INTELLIGENT
CHOICE



GLASS
MAKE EVERY TASK
EASIER



DAIRY
MORE AGRICULTURE,
EVEN EASIER



CHEMICAL
SOLUTIONS THAT MEET THE
EXACT STANDARDS



FOOD AND BEVERAGES
PRECISE AND EFFICIENT
SOLUTIONS



EPS CONTRACTOR
BEST SOLUTIONS FOR
COMPLEX TASKS



**LOGISTICS &
WAREHOUSE**
TRANSITS SMOOTH SHIPPING



OIL & GAS
FUEL FOR FLEXIBILITY



STEEL
PERFORMANCE & STABILITY
FOR GROWTH



POWER & ENERGY
POWER YOUR PLANT WITH
FULL OF ENERGY



INFRASTRUCTURE

MAJOR PROJECTS

➤ **Reliance Corporate House**
Jaspur, Ahmedabad

➤ **Zydus Group of Companies**

➤ **Hindustan Aeronautics Limited**
Bangalore

➤ **IOCL**
Panipat, Haryana

➤ **Adani Group**

➤ **NTPC**
Bangalore

➤ **Airports Authority Of India**

➤ **Ratnamani Metals**

➤ **Power Grid Corporation**

➤ **Phd Division**
Jaipur, Rajasthan

➤ **CPWD, PWD, PIU**
Different site in Gujarat

➤ **ISRO**
Bangalore

➤ **Rajiv Gandhi Canal Division**
Bikaner, Rajasthan

➤ **INTAS**
Pharmaceutical

➤ **National High Speed Railway**

➤ **Municipal Corporation**
of Ahmedabad, Surat, Rajkot, Baroda, Etc.

➤ **Sports Authority of Gujarat**
Naranpura, Ahmedabad

➤ **Military Engineer Services**

➤ **Municipal Corporation of Greater Mumbai**
Mumbai

➤ **Mahindra System Solar Pilot Project PM Office**
Modhera Sun Temple

➤ **IFFCO**
Kalol

OUR CLIENTS





CORPORATE OFFICE

SF-210, Lilamani Corporate Heights,
Opp. Ramdevpir Tekra BRTS Bus Stop,
New Wadaj, Ahmedabad-380013.

MANUFACTURING FACILITIES

A1,A2,A3, Galaxy Industrial park, Opp.
Bansari Gau Shala, Bakrol-Dhamatvan
Road, Dhamatvan-382435 , Ahmedabad

REACH US AT



Expert Engineers



Arris Technologies

