



COMPANY PROFILE

ARRIS
TECHNOLOGIES

EXPERT
ENGINEERS

EFFICIENT SOLUTION | BEST SERVICE | COMPETITIVE PRICE | TIMELY DELIVERY

COMPANY DIVERSE

Expert Engineers & Arris Technologies is a dynamic company 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 and customer satisfaction.

We offer HV & MV products, such as transformers & switchgears, for the power sector, as well as HT & LV motors, Gearboxes, variable frequency drives, and nifps solutions. Our expertise extends to FIRE pumps, FM/UL products, hydropneumatics systems (hyn), and comprehensive water solutions, including WTP, STP, Softner, and RO systems. We also provide SITC for swimming pools.

Our ethical, professional, and proactive approach has resulted in a growing list of satisfied customers. We prioritize customer delight through our in-depth 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
- **Desing & Engineering Team:** 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 customers & colleagues. 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.

- Highly reliable, safe, compact, easy to installation & maintenance free product suitable for installation of indoor and out-door for Commercial, hospital, industries and infrastructure project, etc..
- Inhouse facilities of Cabrication, Transformer Switchgerar, Design &Testing my compartment.
- Option available for transformer: corrugated oil cooled & dry (cast resin). Manufacturing experience with oil cooled & Dry cast res in Transformer

TRANSFORMER (OIL COOLED & DRY TYPE)

- Expert have inhouse facility of oil cooled and dry (cast resin) type Transformer manufacturing facility.
- Manufacturing of different rating of distribution, power, furnace, solar, wind And special type of transformer.
- High technical staff, testing facility and vide experience in transformer filed is make us difference from others.
- Seperate for oil cooled & dry type



MV PANEL

- Manufacturing and testing Facilities of 3.3 KV to 33 KV Vacuum circuit Breakers Panel for Indoor and Out-door Application.
- Manufacturing Facilities and Credential of STC - 13.4 KA to 40 KA Panel.
- Special Service Division and Network in Pan India for Emergency service and break down maintenance.
- Authorized Spares Dealer for CG Power and Industrial Solution Limited

HTMC (HIGH TENSION METERING CUBICAL)

- Expert are Approved vendor for Gujarat DISCOM for HT Metering Unit.
- Highly Reliable Manufacturing Facilities and technical Staff to Build Quality Product.
- 11 KV, 22 KV and 33 KV System Available.
- Large Installation Base in Gujarat.
- 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 Out-door Installation
- Compact Size, Maintenance Free and Safely Operation.
- Inbuilt Earthing Switch and Off load Isolator



LT MOTOR & HT MOTOR



TYPE:

- Motors General Purpose Applications,
- Motors for Hazardous Area (Flame Proof Motors, Non Sparking, Increase Safety)
- Crane Duty Motors
- Brake Motors
- Slipring Motors
- Rolling Mill duty Motors

VED:

- High performance vector control design
- Compact vector control drive
- Compact V/F control drive
- Matrix convertor
- Special purpose inverter drive

SPECIFICATION:

- Efficiency - 1E2/1E3/1E4
- Voltage: 415 V, Frequency: 50 Hz
- Mounting: Foot, Flange, Foot Cum Flange
- Protection: IP55
- Range: 0.5 HP to 500HP
- Frame: 71 to 400
- Pole : 2 to 8 Pole

GEAR BOX:

- In-line helical geared motors
- Bevel helical gear motors
- Worm gear motors
- Planetary gear units

MV MOTOR

TYPE:

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

SPECIFICATION:

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





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. ETPs employ various physical, chemical, and biological processes to remove contaminants, ensuring compliance with environmental regulations and minimizing negative impacts on ecosystems and public health. water is one of the most important components used in all types of industry.

ADVANTAGE:

- rids potential diseases. wastewater treatment systems eliminate disease-causing bacteria & kill harmful organisms.
- Low maintenance.
- Minimal odor emission.
- Civil & Prefab optional available.
- Prevent diseases.
- Produce clean and reusable water
- Breakdown Solids faster.

STP (SEWAGE TREATMENT PLANT)

Technologies we having for stp's

- MBBR (MBBR-Moving Bed Bio Reactor) Civil & MS anti corrosive painted prefabricated single unit.
 - MBR (Mbr - Membrane Bio Reactor) Civil & prefabricated single skid unit.
 - SBR (SBR - Sequential Batch Reactor) civil & prefabricated skid based unit.
- 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.

ADVANTAGE

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

TECHNICAL

- 10 KLD to 200KLD: MS with anticorrosive paint & civil option available.
- 200KLD to 5000KLD: civil based MBBR STP.





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

HOT WATER SYSTEM

Water Heaters

Our Benchmark water heaters have earned a reputation for offering best-in-class service alongside international product quality. Benchmark water heaters 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

Modern, intelligent and innovative with minimalistic design. With our premium range of Heat Pump Water Heater, we aim to provide high-end technology at affordable prices, serving everyone from consumers to business owners alike

All in one Heat Pump

With our premium range of Heat Pump Water Heater, we aim to provide high-end technology at affordable prices

Split Heat pump Air to 'Water We Having Range of Ltr/Hr as 100,140, 200, 280, 410 & 820. Swimming Pool Heat Pump





SWIMMING POOLS

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

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



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 complex, Hotels, Hospitals, Industries, Commercial buildings, Schools, etc.



FIRE PUMPS

FEATURES & BENEFITS

- Diesel engine as well as electric motor driven pump.
- 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 & and, 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.



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
MAXIMIZE 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
- **IOCL**
Panipat, Hariyana
- **Hi-media Laboratory**
Nashik
- **Phd Division**
Jaipur, Rajasthan
- **Rajiv Gandhi Canal Division**
Bikaner, Rajasthan
- **Municipal Corporation of Ahmedabad, Surat, Rajkot, Baroda, Etc.**
- **Municipal Corporation of Greater Mumbai**
Mumbai
- **zydus Group of Companies**
- **Adani Group**
- **Ratnamani Metals**
- **CPWD , PWD , PIU**
Different site in Gujarat
- **INTAS Pharmaceutical**
- **Sports Authority of Gujarat**
Naranpura, Ahmedabad
- **Mahindra System Solar Pilot Project PM Office**
Modhera Sun Temple
- **Hindustan Aeronotic Limited**
Bangalore
- **NTPC**
Bangalore
- **Power Grid Corporation**
- **ISRO**
Bangalore
- **National High Speed Railway**
- **Military Engineer Services**
- **IFFCO**
Kalol

OUR CLIENTS





ARRIS
TECHNOLOGIES

EXPERT
ENGINEERS

MANUFACTURING FACILITIES

Address-1

32, Divine Industrial Estate, Kujad, Bakrol Road, Village Dhamatwan, Tal.Daskroi, Ahmedabad, Gujarat, India-382435

Address-2

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

CORPORATE OFFICE

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

VISIT US AT

Expert Engineers



Arris Technologies

