BI ENGINEERING SOLUTIONS P LTD

FORMERLY BI MARKETING & SERVICES PVT LTD

Your Partner in
Engineering Tomorrow



PUMPING SOLUTIONS

Reliable and efficient pumping systems for varied applications.



WATER & WASTEWATER TREATMENT SOLUTIONS

Clean water. Healthier communities. A sustainable future.



INDUSTRIAL & BUILDING INFRASTRUCTURE SYSTEMS

Integrated systems for industrial and commercial facilities.

- RELIABLE PERFORMANCE
- SUSTAINABLE SOLUTIONS
- ENGINEERING EXCELLENCE
- LONG-TERM PARTNERSHIP

SMART SOLUTIONS FOR A CLEANER, GREENER TOMORROW



BI ENGINEERING SOLUTIONS P LTD
FORMERLY BI MARKETING & SERVICES PVT LTD



BI Engineering Solutions (formerly BI Marketing & Services), originally established as Business International in 1992, redefined itself in 2000 and has since been a leader in providing technical solutions for challenging pumping applications. Based in Chennai, it commands a significant presence across South India. As an authorized integrator for notable pump brands such as Grundfos, Sandpiper, Viking, OBL,and Pulsafeeder, the company is synonymous with technical excellence.

Since 2017, as a subsidiary of the HECS Group, the company has leveraged collective expertise to enhance its offerings in wastewater treatment, in alliance with industry giants like Mitsubishi and Mann+Hummel. This synergy has solidified its role in delivering state-of-the-art fluid management solutions to the Industrial and Commercial sectors.

PRODUCTS & SERVICES

- Centrifugal Pump
- Gear Pumps
- AODD & EODD Pumps
- Metering and Dosing pumps
- Air Compressors
- Turnkey Projects
- Rotary Lobe Air Blowers
- Hollow Fiber Membrane
- Linear Air Pumps
- UF & RO Membrane
- Annual Maintenance Contracts (AMC)
- Energy Audits
- Steam & Hotwater Systems

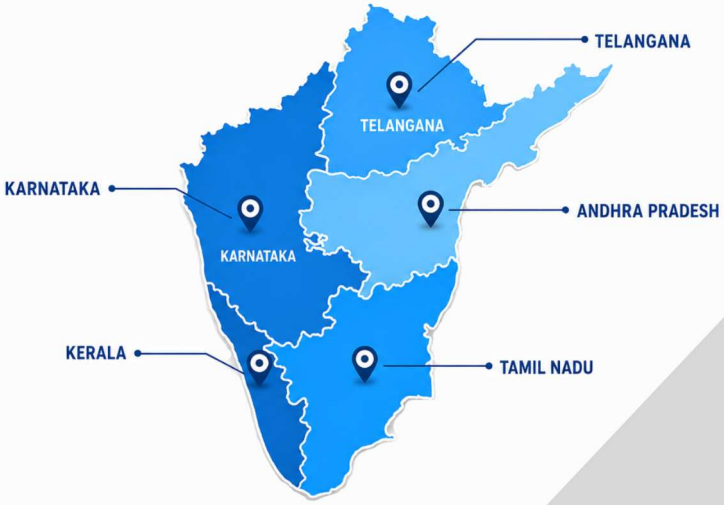
OUR PRESENCE

4+
Warehouses

20+
Locations

4+
Service Centers

70+
Dedicated Service Personnel
With a group strength of 2000+



OFFICES :

Tamil Nadu
Kerala
Pondicherry
Andhra Pradesh
Telangana
Karnataka

BI ENGINEERING SOLUTIONS P LTD
FORMERLY BI MARKETING & SERVICES PVT LTD

OUR EXPERTISE

01

Turnkey Projects

We manage pumping projects end-to-end, ensuring smooth execution from planning to commissioning. Seamless coordination guarantees timely delivery and reliable system performance.

02

Design And Value Engineering

We engineer intelligent pumping solutions by transforming real-world challenges into efficient, manufacturable designs. Backed by deep fluid science expertise and state-of-the-art design tools and technologies, we integrate smart electronics, control systems, and IoT capabilities to deliver high-performance, digitally enabled pumping systems.

03

Application Engineering

We translate operational requirements into optimized pumping solutions through close collaboration with customers and deep on-site application engineering expertise. Leveraging strong fundamentals in fluid mechanics, our teams conduct detailed site assessments, flow and pressure analyses, and system-level evaluations to identify inefficiencies and optimize performance.

04

Energy Optimization

Our energy optimization expertise focuses on reducing power consumption across pumping systems without compromising performance. By eliminating hydraulic inefficiencies, optimizing operating points, and integrating high-efficiency motors and controls, we deliver substantial and sustainable energy savings.

05

Retrofitting Solutions

We upgrade existing pumping systems with engineered retrofitting solutions that enhance efficiency, reliability, and performance. By optimizing hydraulics, replacing inefficient equipment, and integrating modern controls, we deliver significant energy savings with minimal disruption to operations.

06

In-House Testing

Quality and reliability are assured through our comprehensive in-house testing facilities built to API, ANSI, and ASME standards. From advanced non-destructive examinations and performance testing to factory acceptance, mechanical run, vibration, and noise assessments, every pumping system is rigorously validated before delivery.



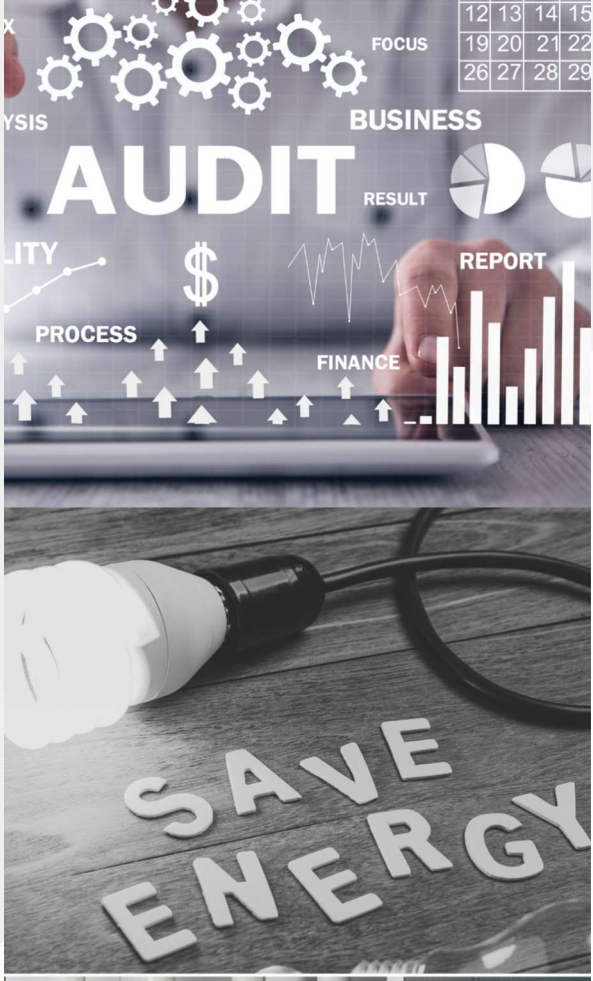






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FORMERLY BI MARKETING & SERVICES PVT LTD

ENERGY AUDIT & SYSTEM OPTIMIZATION



Driving Efficiency. Cutting Costs. Boosting Reliability.

Our audits for pumps, blowers, and compressors uncover inefficiencies and deliver savings. We assess flow, pressure, power, and controls, recommending optimization and upgrades for efficiency and reliability. The process provides clear insights, reports, and a roadmap to cut energy use.

Why to Choose Our Energy Audit?

Deep expertise in pumping and energy systems Practical, data-backed recommendations Proven results with quick payback End-to-end support from audit to implementation.

Unlocking Energy Savings

- On-site assessments reveal efficiency gaps and cost-reduction opportunities.
- System configuration and operating parameters review
- Flow, pressure, head, and power measurement
- Pump operation checked against BEP
- Losses from overdesign, throttling, leakage, part-load identified
- Motors, drives, and controls optimized



The Blueprint for Efficiency

- We use advanced tools to convert data into savings.
- Live Testing: Accurate on-site logging
- Curve Analysis: Matching pump to system needs
- Load Profiling: Spotting energy spikes and valleys
- Standards-Based: Global best practice evaluation

Audit Outcomes

- Key energy loss areas prioritized
- Savings potential quantified
- ROI and payback analysis
- CO_2 reduction assessed



SAVE UPTO 70% IN POWER CONSUMPTION

PROJECTS

With over 30 years of experience in pumping solutions, BI Engineering Solutions provides comprehensive solutions for pumping systems and piping requirements across industrial and commercial applications. From initial design and engineering to execution and commissioning, our team delivers reliable, efficient, and customized solutions that meet the specific needs of every project.

- Design
- Project Management & Execution
- Detailed Engineering
- Energy Audit & Optimization
- Control & Automation



FIRE FIGHTING SYSTEMS
- •System Designing & Detail Engg.
- •Yard Hydrant Piping
- •Sprinkler Piping
- •Fire alarm & PA System



UTILITY WATER SYSTEM
- •System Designing & Detail Engg.
- •Raw Water,Rain Water
- •De-Watering System
- •Water Distribution System
- •Waste Water Transfer System



HVAC PIPING
- •System Designing & Detail Engg.
- •Chill Water Piping
- •Hot Water Piping



INDUSTRIAL PIPING
- •Chiller Systems.
- •Hot Water Systems
- •Clean & Stainless Steel Piping
- •DG & Exhaust Systems



ENERGY AUDIT & OPTIMIZATION
- •Considerable Savings on Operating Costs
- •Significantly Reduce Climate impact
- •Fact based optimized performance
- •Improves profitability and payback time on the up-front investment

CENTRIFUGAL PUMPS

GRUNDFOS

Grundfos is one of the world's leading pump manufacturers, headquartered in Denmark, with an annual production of more than 16 million pump units, including circulator, submersible, and centrifugal pumps. For over two decades, **BI Engineering Solutions**. has been one of Grundfos' leading dealers and system integrators in India, specializing in pump solutions for the industrial and commercial building segments. With extensive industry experience and technical expertise, we provide reliable, efficient, and customized pumping solutions to meet diverse customer requirements.



CM/CME

CENTRIFUGAL MODULAR BOOSTER & PUMPS

Domestic water supply, constant pressure booster & industrial water transfer, CIP



CR/CRE/CRNE

VERTICAL IN LINE MULTI STAGE CENTRIFUGAL

Industrial application (RO, Boiler, Condensate, Cooling towers, Machine tool, High pressure etc.)



MTR/MTRE/MTA

MULTI-STAGE CENTRIFUGAL IMMERSIBLE PUMPS

Industrial application Filtering systems, coolant transfer.



TP/TPE

HEATING AND HOT WATER SERVICE SYSTEM, COOLING AND AIR- CONDITIONING

Single-stage centrifugal pumps, electronically controlled



HYDRO/MULTI-E/MPCE

CENTRIFUGAL PRESSURE BOOSTING SYSTEM

Industrial applications, HVAC & Irrigation applications. pressure boosting and liquid transfer



NK/NB/NKE/NBE

SINGLE-STAGE CENTRIFUGAL PUMPS, LONG & SHORT COUPLED

Heating and hot water service system, cooling and airconditioning systems industrial applications.

CENTRIFUGAL PUMPS

GRUNDFOS

Grundfos is the largest pump manufacturer in the world and is head quartered in Denmark. Grundfos produces annually more than 16 million pump units which include circulator pumps, submersible pumps, and centrifugal pumps. For over two decades now BI Marketing and Services P Ltd is the largest Dealer and System Integrator of Grundfos in India for the Industrial and Commercial Buildings Segment.



DWK/DPK/KP/AP

SUBMERSIBLE DEWATERING AND DRAINAGE PUMPS

Drainage and wastewater transfer submersible pumps.



SEG/SE/SL/SLV

EFFLUENT AND SEWAGE GRINDER & CENTRIFUGAL PUMPS

Sewage & wastewater transfer pumps



SP

4",6",8"- CENTRIFUGAL SUBMERSIBLE PUMPS

Groundwater supply,
domestic water supply, pressure boosting



DIGITAL/DOSING

DIAPHRAGM TYPE & CHEMICAL DOSING PUMPS

Water treatment Plant, cooling tower, boiler,drinking water, pressure doing of chemicals



UPA/UPS/MAGNA

CENTRIFUGAL CIRCULATOR PUMPS, CANNED- ROTOR TYPE PUMPS

Domestic water supply, pressure boosting, heating & hot water service systems



SPARES

We are the authorized Service Partners for Grundfos in over 5 States across South India.

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

SANDPIPER®

Since 1965 Sandpiper is a leader in AODD Pumps globally. SANDPIPER delivers best-in-class pumping and engineering innovations for your most difficult and demanding pumping challenges. Sandpiper AODD Pumps are a part of IDEX Corporation USA and are known globally for their reliability along with unrivalled durability and performance.



STANDARD DUTY METALLIC

Standard Duty Metallic Pumps are ideally suited for intermittent / on- demand, portable, moderately abrasive fluids, and suspended solids.



STANDARD DUTY NON METALLIC

Standard Duty Non Metallic Pumps are ideally suited for intermittent / on-demand, portable, moderately corrosive fluids, and suspended solids.



HEAVY DUTY FLAP VALVE PUMP

HDF Pumps are recommended for abrasive slurries, Suspended and non-Suspended solids and line-size solids requirements.



HEAVY DUTY BALL PUMPS

Sandpiper AODD Heavy Duty Ball Valve Pump for reliable, low-maintenance transfer of viscous and abrasive fluids.



CONTAINMENT DUTY PUMP

Containment Duty Metallic and Non-Metallic Pumps are best suited for highly corrosive and hazardous chemical fluid requirements.



ACCESSORIES

BI Marketing is the authorized Service Partners for Sandpiper in over 5 States across South India.

ELECTRICALLY OPERATED DOUBLE DIAPHRAGM PUMP

COGNITO™

Cognito EODD is a smart, IoT-enabled electrically operated double diaphragm pump, developed in close collaboration with customers and backed by 30 years of expertise in fluid technology, design, and engineering. It features a robust design that improves production efficiency, reduces total cost of ownership, and enables smooth handling of a wide range of fluids and slurries



BENEFITS OF EOOD PUMP

- Handles abrasive, corrosive & viscous fluids
- Energy-efficient with low power consumption
- Robust design, low maintenance
- High MTBF, low MTTR
- Remote performance monitoring
- Low operating cost, quick ROI

METERING & DOSING PUMPS

PULSAFEEDER®

Pulsafeeder, a unit of IDEX Corporation, is a global leader in diaphragm and dosing metering technologies with over 70 years of expertise. Its pumps are known for rugged construction, reliable performance, and API-675 compliance, supported by ISO 9001 and ISO 14001 certification.



PROCESS PUMP
The PulsaPro Series standard continues to set the pace. With different material options for the reagent head, PulsaPro series can successfully handle a variety of liquid, Specially chemical, and gaseous solutions.



DIAPHRAGM METERING
Hydraulic Actuated Diaphragm metering pumps successfully handling a variety of flammable liquids and gaseous materials. Most models include our standard built-in bleed valve, makeup valve



EXTERNAL GEAR PUMP
Typical applications that the Eclipse series is ideal for are acids, solvents, caustics, polymers, bleaches, dyes/inks, pH control, catalysts, cleaning agents, and many more



ENGINEERED SYSTEMS
Chemical injection packages are a vital component in Chemical, Petrochemical, Refining, and Oil & Gas applications. ensures they are compliant with industry and international standards (e.g. ASME, API, ATEX).

MECHANICAL DIAPHRAGM DOSING PUMPS (PULSAFEEDER GLM SERIES)

Pulsafeeder GLM® is a mechanically diaphragm metering pump designed for reliable, robust, and efficient performance. Its compact industrial design suits a wide range of applications, offering low ownership cost while handling diverse flows, pressures, and process chemicals.

Material of Construction

Wet End Materials: Polypropylene, PVDF, 316L Stainless Steel Diaphragms: Composite PTFE coated Buna and solid PTFE Check Valves: Ceramic or Stainless Steel





ELECTRONIC TYPE DOSING PUMP (PULSAFEEDER EASTERN SERIES)

Features & Benefits

- High capacitance
- Long service life
- Corrosion-resistant casing
- Visual LED display
- Easy operation
- PTFE valve seat
- C276 check valve spring
- Standard bleed valve

MATERIALS OF CONSTRUCTIONS

- Polypropylene (PP)
- Polyvinylidene Fluoride (PVDF)



Flow Up to-20 Lph
Pressure upto-7 bar.

INTERNAL AND EXTERNAL GEAR PUMPS

VIKING PUMP®

With over 110 years of expertise, Viking pumps are designed to address diverse application requirements through a broad range of pumping principles, materials, and configurations. With ISO 9001:2015-certified, vertically integrated manufacturing and global operations across seven continents. With experience over thousands of liquids that allow us to deliver proven solutions for many applications like

- Chemicals• Polymers• Oils
- Fuel• Pharmaceutical• Machinery
- Food• Dairy• Water & Wastewater
- Beverages etc.









LOBE PUMPS

VIKING PUMP® HYGIENIC

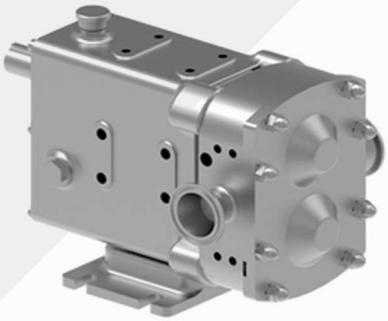
Viking hygienic lobe pumps are engineered for high efficiency and offer a wide range of porting, cleaning, and sealing options to suit diverse process requirements. The circumferential piston pumps deliver high-pressure capability with low shear, ensuring product integrity and smooth, efficient flow. Rotary Lobe Pumps are the mainstay of many hygienic & industrial fluid handling applications where gentle handling & cleanability are paramount.

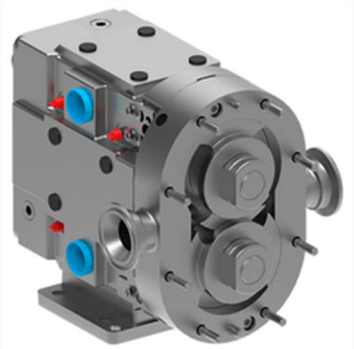
BENEFITS OF VIKING HYGIENIC PUMP

- Long Seal & Bearing Life
- Low Shear
- Handles wide range of viscosities
- Low NPSHr
- Self-Priming
- Simple maintenance

WE OFFER

- CIP(clean in place)
- SIP(sanitize in place)
- COP(clean out of place)





AEROSEAL EQUIPMENT

aeroseal®

Consergy Systems and Technologies LLP is an energy-saving and environmental solutions provider focused on improving the efficiency and sustainability of centrally air-conditioned buildings across commercial, industrial, infrastructure, and residential sectors. Established in 2020, the company combines advanced technologies and expertise in air-distribution and HVAC systems to help customers reduce energy consumption, improve indoor air quality, lower carbon emissions, and enhance overall building performance. Its solutions include HVAC duct sealing and cleaning, water-side efficiency optimization, and other energy and environmental management solutions designed to improve system performance without unnecessary equipment replacement.

BENEFITS OF CONSERGY

- Energy Savings
- Improved HVAC Efficiency
- Better Indoor Air Quality
- Reduced Carbon Emissions
- Lower Maintenance Costs





ANEST IWATA MOTHERSON (AIM)

Anest Iwata compressors and vacuum pumps deliver precision, reliability, and long-term performance. With renowned Japanese engineering, they provide clean, efficient, and quiet operation, ensuring consistent output, low maintenance, and extended service life. Trusted worldwide, Anest Iwata combines advanced design with proven durability.

RANGE OF PRODUCTS

- Oil free and lubricated air compressors
- Scroll, Screw, Piston & reciprocating ,centrifugal compressors
- Dry and lubricated Vacuum pumps Blowers





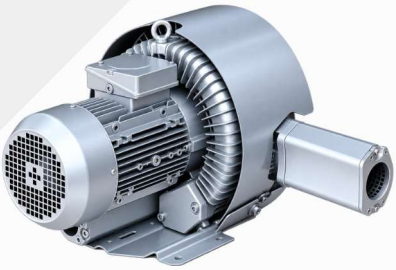
EVEREST AIR BLOWER

Everest Air Blower is a high performance industrial blower designed for efficient, continuous airflow across various industries. Engineered for durability, energy efficiency and minimal maintenance. Everest blowers support wastewater treatment, chemical processing, pneumatic conveying, aquaculture and more.

- Types of Blowers



TWIN LOBE AIR BLOWERS



SIDE CHANNEL AIR BLOWERS



TRI LOBE AIR BLOWERS

AIR PUMPS



Fujimac Air Pumps are setting the benchmark for high-performance, energy-efficient, and durable aeration solutions. Engineered with precision and advanced Japanese technology, these pumps cater to a wide range of applications, including wastewater treatment, aquaculture systems, and industrial aeration processes. Known for their quiet operation, compact design, and reliability, Fujimac air pumps are a global leader in the aeration industry.

FEATURES

- UNo 80% lower in power consumption,
- Low noise levels
  (Equal to a mobile phones vibration)
- Low Footprint
- Easy to maintain

ULTRAFILTRATION MEMBRANES (UF & RO)

MANN+HUMMEL



AQUADYN

AQUADYN® modules feature a 0.025 micron hydrophilic PAN membrane with low-fouling, high-flux, and double asymmetric attributes for enhanced rejection of bacteria and solids. Its unique double layer prevents pore clogging during backflush



PureULTRA II

PureULTRA II OF modules use a modified PVDF hollow fiber membrane with a 0.025 micron pore size for Superior filtration, including pathogen rejection.Their outstcle in flow design and high tensile strength fibers ensure efficient cleaning and durability, even with various feed water sources.



ISEP™ ULTRAFILTRATION MODULES

iSepTM ultrafiltration modules utilize a vacuum-driven,backwashable design to treat high fouling water streams efficiently. In certain cases they eliminate extensive pre treatment, reducing costs. footprint, and complexity, there by streamlining water treatment processes.

MITSUBISHI CHEMICAL

Mitsubishi MBR Membranes are revolutionizing industrial and municipal wastewater treatment, offering high-efficiency membrane filtration with minimal footprint and superior water quality. Whether for sewage treatment plants (STP), industrial effluent treatment, or water recycling, Mitsubishi MBR technology ensures high-performance filtration, low sludge generation, and long-term reliability. Mitsubishi Chemical is a leading company of MF/UF hollow fiber membrane products for MBR application in the world. Their main product, 'STERAPORE 5600-5700 Series', is a submerged PVDF membrane for MBR.



TYPE

- STANDARD*1
- HIGH FLUX*1
- HIGH FLUX & ULTRA LOW PRESSURE*2
- FOULING RESISTANCE*1
- HIGH FLUX & FOULING RESISTANCE*1

OPERATING LIMITS

Maximum Presure	600 psi (4.14 MPa)	Maximum feed water SDi_{15}	5
Maximum Temperature	45 deg. C	pH range during operation	3-10
Maximum Fee water flow	17 m^3/hr : 8 inch	Free chiorine of feed water	Not detectable
	3.6 m^3/hr : 4 inch	Maximum element pressure drop	0.1 MPa (15 psi)

SOLAR PANEL & SOLAR WATER HEATER

V-GUARD

V-Guard is a leading Indian electrical and consumer electronics brand offering a wide range of products designed for safety, performance, durability, and energy efficiency. The company provides solutions for homes, commercial spaces, and industrial applications, with a strong focus on innovation and customer needs.

RANGE OF PRODUCTS

- Reduced electricity consumption
- Lower energy costs
- Utilization of renewable solar energy
- Environment-friendly and sustainable solution
- Reliable performance and durability
- Reduced dependence on conventional energy sources
- Suitable for residential and commercial applications



HOT WATER AND STEAM SOLUTIINS

Armstrong
EXPERIENCE MATTERS

At Armstrong, experience drives excellence. We are committed to delivering reliable, accurate, and high-quality testing solutions built on extensive industry knowledge and expertise. With advanced laboratory practices, robust testing methodologies, and a customer-focused approach, we help businesses meet regulatory requirements, ensure product quality, minimize risks, and make confident, informed decisions. Our experience and commitment to precision make Armstrong a trusted partner for dependable testing and compliance solutions.

WHAT ARMSTRONG INTERNATIONAL DOES

- Steam systems – steam traps, valves, regulators, and condensate equipmentDairy Products
- Heat transfer – equipment used to heat industrial processes
- Hot water systems
- Humidification – controlling moisture in industrial environments
- Flow measurement – measuring steam and other fluids
- Heat recovery & energy efficiency – recovering wasted heat and reducing energy consumption
- Decarbonization solutions – helping industries reduce energy use and emissions.







BI ENGINEERING
SOLUTIONS P LTD
FORMERLY BI MARKETING & SERVICES PVT LTD

WHY BIES

- Timely, versatile project delivery by a highly experienced professional team.
- Priority support from premier global and domestic manufacturers.
- Integrated solutions for Water (RO/DM), HVAC, Fire Safety, and Sewage Treatment.
- End-to-end Operations and Maintenance for all installed packages.
- Fast-response technical assistance via a distributed engineering network.
- Engineered for maximum economy, efficiency, and reliability.

CONTACTS

CHENNAI- HEAD OFFICE
No: A21, 3rd Phase, TVK Industrial Estate, Guindy,
Chennai,Tamil Nadu- 600 032.
Sales : +91-9150021304/+91-9840176197
Service :+91-9367444041/45/48
Sales Email : info@bigroup.in
Service Email : service@bigroup.in

PONDICHERRY
2nd Floor,Avaikalam Coworking Spaces P Ltd
St.Anthony Koil St,Opp to Presidency School,
Kavery Nagar Reddiarpalayam,
Puducherry-605010
Sales : +91-7824860101/+91-9840176197/
+91-9150021304
Service : +91-9362578005
Sales Email : devanath@bigroup.in
Service Email : pondyservice@bigroup.in

COIMBATORE
No. 7/50-6A-1, Maruthi Industrial Nagar,
Keeranatham, Coimbatore 641035.
Sales : +91-9367444027/67
Service : +91-9362882242
Sales Email : bicbe@bigroup.in
Service Email : service.cbe@bigroup.in

HYDERABAD/AP
Plot No: 11,1st Floor Door No: 5-8-002
Ravi Colony, Thirumalagiri, Secunderabad,
Hyderabad - 500015
Sales : +91-9392928205/+91-7702762835
Service :+91-7824860104
Sales Email : bihyd@bigroup.in
Service Email : service.hyd@bigroup.in

KARNATAKA
7/C-45, Baikampady Industrial Estate,
Dakshina Kannada District, Mangaluru - 575011
Sales/Service : +91-9384817249
Email : energyaudit2@bigroup.in

COCHIN
1, 45/248C, Meenathoor House, Manjeli Padam
Road,Eroor West, Thrippunithura,
Ernakulam -682306
Sales : +91-9446093492/+91-9447701992
Service :+91-9446091195
Sales Email : bicochin@bigroup.in
Service Email : service.cochin@bigroup.in

