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COMPANY PROFILE

WWW.ARKAQUATECH.COM

Email:

arkaquatech@gmail.com

Address:

**Plot No. 12, APIIC, Auto Nagar,
Mangalagiri, Guntur, AP –
522503**

ABOUT OUR COMPANY

ARK AQUATECH is a multi-disciplinary engineering and services company based in Mangalagiri, established in 2019. The company specializes in integrated solutions across water management, electrical systems, aquaculture technology, and civil infrastructure.

With a focus on quality, innovation, and reliability, ARK AQUATECH delivers end-to-end services ranging from industrial-scale RO water treatment plants and pumping systems to smart IoT-based aquaculture solutions and advanced IT infrastructure installations. The company also undertakes civil works, plumbing systems, and allied engineering services for government, institutional, and private sector projects.

Backed by a skilled technical team and a commitment to modern engineering practices, ARK AQUATECH aims to provide sustainable, efficient, and cost-effective solutions tailored to client needs. Since its inception in 2019, the company has been steadily building a reputation for dependable service, technical expertise, and customer satisfaction.

BUSINESS SEGMENTS

WATER WORKS & MANAGEMENT

Your partner in sustainable water lifecycles.

- **Supply & Plumbing:** Installation of pipelines (HDPE/DI/PVC), internal/external plumbing, and distribution networks.
- **Pumping & Storage:** Borewell/submersible pumps, automation panels, and storage solutions (RCC/HDPE/FRP/GI tanks).
- **Treatment Plants:** Industrial/Domestic RO Plants, WTP (Softener/Iron Removal), and STP/ETP with greywater recycling.
- **Sustainability:** Rooftop rainwater harvesting and recharge pit construction.
- **O&M:** Annual Maintenance Contracts for all water treatment and pumping systems.

ELECTRICAL & POWER SYSTEMS

Powering industries with safety and precision.

- **Electrification:** Internal building wiring, street lighting, and campus-wide underground cabling.
- **Panel Engineering:** LT, MCC, Control, and VFD/Star-Delta starter panels.
- **Protection:** Chemical earthing and lightning arrestor systems.
- **Renewables & Backup:** Rooftop solar installations, solar pumps, DG set installation, and AMF panels.

ADVANCED AQUACULTURE SOLUTIONS

Precision engineering for modern farming.

- **Smart Farming:** IoT-based monitoring for real-time pH, DO, and salinity; automated feeders and remote pump control.
- **Systems:** Design and installation of RAS (Recirculating Aquaculture Systems), Biofloc units, and Aquaponics.
- **Specialized Units:** Vertical and Floating Crab Box units; Cage Culture systems.
- **Support:** Pond lining (HDPE), aeration systems, and supply of high-quality seed, feed, and probiotics.

CIVIL & INFRASTRUCTURE WORKS

Building the foundation for growth.

- **Construction:** Residential, commercial, and industrial sheds (including PEB).
- **Utility Structures:** Specialized civil work for water tanks, pump houses, and STP/ETP structures.
- **Site Development:** CC roads, drainage networks, compound walls, and earthworks.

SPECIALIZED SERVICES & SUPPLY

Manpower Supply	Manufacturing	IT & Logistics
Skilled (Electricians, RO Ops)	Sanitary Cleaning Chemicals	Server & Network Installation
Technical Supervisors	Hospital & Office Furniture	CCTV & Security Systems
Aquaculture Technicians	GI Sheeted Water Tanks	Heavy & Fragile Equipment Transport
General Site Helpers	Custom MS/SS Fabrications	Water Tanker Fleet (Potable/Ind.)

CORE SERVICES

WATER WORKS - CATEGORIES

Pumping Systems

- Installation of water supply pipelines
- Internal and external plumbing works
- Overhead and underground water distribution

Water Supply Systems

- Borewell and open well pumps
- Submersible pump installation
- Pump control panels and automation

Water Storage Structures

- Overhead tanks (RCC/HDPE/FRP)
- Underground sumps
- Raw water and treated water tanks

RO (Reverse Osmosis) Plants

- Domestic and industrial RO systems
- Hospital RO plants
- Drinking water purification units
- RO plant operation & maintenance

Water Treatment Plants (WTP)

- Filtration systems
- Softener plants
- Iron removal plants
- Chlorination and disinfection systems

Sewage Treatment Plants (STP)

- STP installation
- Effluent treatment plants (ETP)
- Greywater recycling systems
- Operation and maintenance of STP/ETP

Rainwater Harvesting Systems

- Rooftop rainwater harvesting
- Recharge pits and trenches
- Filtration units

HDPE/DI/PVC Pipeline Works

- Supply and laying of HDPE pipelines
- DI and PVC pipeline installation
- Jointing, testing, and commissioning

Firefighting Water Systems

- Fire hydrant networks
- Sprinkler systems
- Fire pumps and jockey pumps

Annual Maintenance & Operation

- O&M of RO, STP, WTP plants
- Pump maintenance
- Water system inspection and repair

ELECTRICAL WORKS - CATEGORIES

Internal Electrical Wiring

- Concealed and surface wiring for buildings
- Power and lighting circuits
- Distribution board installation

External Electrification

- Street lighting systems
- Garden and campus lighting
- Underground and overhead cabling

Panel Board Works

- LT panels
- MCC panels
- Control panels
- Power distribution panels

Cable Laying & Termination

- LT and HT cable laying
- Cable tray installation
- Cable jointing and termination

Earthing & Lightning Protection

- Chemical earthing
- Plate and pipe earthing
- Lightning arrestor installation

Pump & Motor Electrical Works

- Pump control panels
- Motor wiring and installation
- Starter panels (DOL, Star-Delta, VFD)

DG Set & Backup Power Systems

- Diesel generator installation
- AMF panels
- UPS systems

Solar Power Systems

- Rooftop solar installations
- Solar street lights
- Solar pump systems

Electrical Maintenance Works

- Annual maintenance contracts (AMC)
- Fault finding and repair
- Replacement of electrical components

Specialized Electrical Works

- Fire alarm systems
- CCTV and security wiring
- Data and communication cabling

WATER TANKER SERVICES - CATEGORIES

Drinking Water Tanker Supply

- Potable water supply for residential, commercial, and industrial use
- Certified drinking water tankers

Construction Water Supply

- Tanker supply for construction sites
- Curing and site usage water

Industrial Water Supply

- Water supply for factories and processing units
- Cooling and process water

Emergency Water Supply

- Water supply during shortages or breakdowns
- Disaster and emergency response tankers

Government & Institutional Supply

- Tanker supply for hospitals, schools, and government offices
- Municipal and public utility contracts

Water Tanker Hiring / Rental

- Daily, weekly, or monthly tanker rental
- Long-term contract tanker services

Tanker Filling & Distribution Management

- Borewell or treated water filling
- Route planning and scheduled delivery

Specialized Tanker Services

- RO treated water tankers
- Treated STP water for gardening and flushing

AQUACULTURE - CATEGORIES

Fish & Shrimp Farming Support

- Supply of fish and shrimp seed
- Nursery and grow-out pond management
- Technical guidance for aquaculture farms

Pond Construction & Development

- New fish/shrimp pond construction
- Pond excavation and leveling
- HDPE pond lining installation

Water Quality Management

- Water testing and analysis
- pH, DO, salinity, and ammonia control
- Supply of water treatment chemicals

Aeration Systems

- Paddle wheel aerators
- Diffused aeration systems
- Installation and maintenance of aerators

Feed & Supplements Supply

- Fish and shrimp feed
- Growth promoters
- Mineral and probiotic supplements

Disease Control & Biosecurity

- Disinfectants and antibiotics
- Pond sanitation chemicals
- Biosecurity system setup

Aquaculture Equipment Supply

- Nets, graders, and harvest tools
- Feeders and automatic feeding systems
- Water pumps and pipelines

Biofloc Systems

- RO treated water tankers
- Biofloc tank design and installation
- Aeration and filtration setup
- Complete biofloc farming units

Aquaponics Systems

- Integrated fish and plant cultivation systems
- Tank, grow bed, and filtration setup
- Commercial and domestic aquaponics units

Vertical Crab Box Units

- Multi-layer crab rearing systems
- Indoor or shed-based vertical setups
- Water circulation and aeration systems

Floating Crab Box Units

- Floating crab fattening systems
- HDPE/FRP floating structures
- Cage-type box installations in ponds or canals

Cage Culture Systems

- Fish cage culture in ponds, reservoirs, or lakes
- Floating cage installation
- Feeding and maintenance systems

Hatchery Systems

- Fish and shrimp hatchery setup
- Broodstock tanks and larval rearing systems
- Filtration, aeration, and water treatment units

IoT-Based Smart Aquaculture Systems

- Real-time water quality monitoring (pH, DO, temperature, salinity, ammonia)
- Sensor-based automatic aerator control
- Smart feeders with programmable schedules
- Mobile app and cloud-based monitoring
- SMS/app alerts for critical water parameters
- Remote pump and equipment control

Recirculating Aquaculture Systems

- Design and installation of RAS units
- Filtration and oxygenation systems
- Automation and monitoring systems

Operation & Maintenance Services

- Farm management contracts
- Regular pond monitoring
- Technical consultancy

CIVIL WORKS - CATEGORIES

Building Construction

- Residential buildings
- Commercial buildings
- Industrial sheds and structures
- Institutional buildings (schools, hospitals, offices)

Structural Works

- RCC foundations, columns, beams, and slabs
- Footings and plinth works
- Structural steel fabrication and erection

Water-Related Civil Works

- Overhead water tanks
- Underground sumps
- Pump houses
- Water treatment plant civil structures
- STP/ETP civil works

Road & Pavement Works

- Internal roads
- CC roads
- Paver block works
- Compound pathways

Drainage & Sewer Works

- Storm water drains
- Underground drainage lines
- Manholes and inspection chambers

Boundary & Site Development Works

- Compound walls
- Fencing works (GI/chain link)
- Gate installation
- Site leveling and earthworks

Industrial & Utility Structures

- Equipment foundations
- Control room buildings
- Storage sheds
- Platforms and service areas

Renovation & Repair Works

- Building repairs and retrofitting
- Waterproofing works
- Structural strengthening
- Interior and exterior renovations

Flooring & Finishing Works

- Vitrified and ceramic tile flooring
- Granite and marble works
- Epoxy and industrial flooring
- Plastering and painting

Specialized Civil Works

- Pre-engineered buildings (PEB)
- Fabricated sheds
- Parking sheds
- Guard rooms and utility structures

MANPOWER SUPPLY - CATEGORIES

Skilled Technical Manpower

- Electricians
- Plumbers
- Welders
- Fitters
- Pump operators
- RO/STP plant operators
- Civil supervisors
- Equipment operators

Semi-Skilled Manpower

- Helpers for electrical, plumbing, and civil works
- Construction workers
- Machine assistants
- Farm and aquaculture assistants

Unskilled Manpower

- General laborers
- Cleaning staff
- Loading and unloading workers
- Site helpers

Facility & Maintenance Staff

- Housekeeping personnel
- Gardeners
- Security guards
- Multi-tasking staff

Industrial & Plant Manpower

- Plant operators
- Maintenance technicians
- Mechanical helpers
- Utility staff

Water & Utility Services Staff

- Water tanker drivers
- Pump operators
- Water supply technicians
- Pipeline maintenance staff

Aquaculture Farm Manpower

- Pond supervisors
- Feed technicians
- Hatchery assistants
- Biofloc system operators

Contract & Project-Based Manpower

- Short-term project manpower
- Long-term AMC manpower
- Shift-based staffing (24×7 operations)

MANUFACTURE & SUPPLY - CATEGORIES

Sanitary Cleaning Products

- Floor cleaners
- Toilet cleaners
- Glass cleaners
- Disinfectants and sanitizers
- Hand wash and liquid soaps
- Industrial cleaning chemicals

Furniture

- Office furniture (tables, chairs, workstations)
- Hospital furniture (beds, trolleys, cabinets, foot steps)
- School and institutional furniture
- Storage racks and metal cabinets
- Custom fabricated furniture

Probiotics & Aquaculture Inputs

- Water probiotics
- Soil probiotics
- Mineral supplements
- Water conditioners
- Disinfectants for ponds

Aquaculture Tanks

- Biofloc tanks (HDPE/FRP/MS)
- RAS tanks
- Aquaponics tanks
- Fish and shrimp rearing tanks
- Custom fabricated aquaculture tanks

GI Sheeted Water Tanks

- Galvanized iron sheeted storage tanks
- Bolted panel tanks
- Industrial and commercial water tanks
- Firefighting water storage tanks
- Custom capacity GI tanks

Aquaculture Equipment

- Aerators and blowers
- Feeders and automatic feeding systems
- Crab boxes and cages
- Water pumps and pipelines
- Filtration and aeration systems

Custom Fabricated Products

- MS/SS tanks
- Structural frames
- Equipment stands and supports
- Panel enclosures
- Special-purpose fabricate items

IT & SERVER INSTALLATION - CATEGORIES

Server Installation & Configuration

- Rack and tower server installation
- Windows and Linux server setup
- Domain and network configuration
- Storage and backup systems

Computer System Installation

- Desktop and workstation setup
- Laptop installation and configuration
- Operating system and software installation
- Peripheral setup (printers, scanners, etc.)

Network Infrastructure

- LAN cabling (Cat6, fiber optic)
- Switches, routers, and firewall installation
- Wi-Fi access point setup
- Network rack installation

Data Center & Server Room Setup

- Server racks and cable management
- Power distribution units (PDU)
- Cooling and ventilation systems
- UPS and backup power integration

CCTV & Security Systems

- CCTV camera installation
- NVR/DVR setup
- Remote monitoring configuration
- Access control systems

Software & IT Support Services

- System maintenance and troubleshooting
- Annual maintenance contracts (AMC)
- Antivirus and cybersecurity setup
- Data backup and recovery

Cloud & Remote Services

- Cloud server setup
- Remote monitoring systems
- Email and domain configuration
- IoT device integration

TRANSPORTATION & GOODS TRANSPORT - CATEGORIES

Material Transportation

- Transport of construction materials
- Electrical and plumbing materials transport
- Aquaculture equipment transport

Water Tanker Transportation

- Drinking water tanker supply
- Construction water tanker services
- Industrial water transportation

Goods & Logistics Services

- Local goods transport
- Inter-district and inter-state transport
- Delivery of machinery and equipment

Vehicle Hiring & Rental

- Trucks and mini-trucks on hire
- Pickup vehicles for material supply
- Long-term and short-term transport contracts

Project Logistics Support

- Transportation for civil, electrical, and water projects
- Equipment shifting and installation transport
- Site-to-site material movement

Industrial & Commercial Transport

- Factory material transport
- Warehouse distribution
- Bulk goods movement

Specialized Transport

- Heavy equipment transport
- Fragile or sensitive equipment transport
- Aquaculture live stock transport (fish/crab)

WHY CHOOSE ARK AQUATECH?

Trusted by Leaders

We proudly serve reputed institutions and organizations such as **AIIMS Mangalagiri, ICAR-CIBA, Coca-Cola, RGCA, and NFDB.**

End-to-End Solutions

From design and fabrication to installation and 24/7 maintenance, we provide complete, integrated engineering solutions under one roof.

Quality Focused

GST-registered and fully compliant with industrial safety and quality standards, ensuring reliable and professional service delivery.

OUR ESTEEMED PARTNERS



National Fisheries Development Board
Department of Animal Husbandry, Dairying & Fisheries
Ministry of Agriculture & Farmers Welfare, Govt. of India



CONTACT US

Phone: +91 9063289228 , 7799399555

Email: arkaquatech@gmail.com , admin@arkaquatech.com

Website : www.arkaquatech.com

GST: 37AXPPR9373K1ZC

Address: Plot No. 12, APIIC, Auto Nagar, Mangalagiri, Guntur, AP – 522503

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