

Entrepreneurs of the Year- 2024



Featuring	Organization	Brief
Anil Sethi, Founding Chairman	Pump Academy Private Limited	Anil Sethi, the Chairman, is a highly experienced and visionary leader, who is building Pump Academy Private Limited, into a multi-faceted conglomerate.
Dr Bhuvan Nagpal, Senior Consultant in Pathology and Clinical Biochemistry, and Quality Head	Tohana Manglam Diagnostics	Dr Bhuvan Nagpal is a highly organized, dedicated, and experienced professional in the medical field specialized in Oral Pathology and Microbiology and Clinical Biochemistry.
Gautam Sharma, MD and CEO	Proclep Consulting, Maventor Advisor Pvt Ltd	As an engineer and a lawyer, Gautam Sharma led Proclep Consulting seamlessly navigates the intricacies of contracts administration, procurement management, project management, claims, and arbitration in infrastructure projects.
Mohammed Abdul Rahman, CEO	Sahara Industry	Mohammed Abdul Rahman is leading Sahara Industry with a mission of providing water and wastewater treatment and recycling solutions for the last 25 years.
Mohammed Naser Azeez, Managing Director	Aquality Intelligent Solutions Pvt Ltd	Mohammed Naser Azeez led Aquality Intelligent Solutions is an ISO 9001:2015 certified leading provider of domestic, industrial, institutional and commercial water treatment systems.
Shehzad Ahmad Khan, Managing Director	McEnvirotech, MaClean Engineering Projects Pvt. Ltd.	A seasoned entrepreneur, Shehzad Ahmad Khan led McEnvironemnt is developing robust, state-of-the-art products and equipment to meet the growing needs of water and wastewater treatment.
Tariq Siddiqui, Chief Strategist	TS Advisory Services	Tariq Siddiqui led TSAS specializes in water sector strategic advising, where insightful guidance and transformative strategies pave the way for sustainable success.

A portrait of Mohammed Naser Azeez, a man with a dark beard and glasses, wearing a light grey blazer over a maroon shirt. He is seated in a light blue armchair, looking directly at the camera. The background is a plain, light blue wall.

Mohammed Naser Azeez

*Managing Director,
Aquality Intelligent
Solutions Pvt. Ltd. (AISPL)*

Mohammed Naser Azeez

Fostering Water Wellness at
Aquality Intelligent Solutions Pvt. Ltd.

***I**ndia is facing a water crisis of epic proportions. This essential resource, the foundation of life, commerce, and the environment, is running critically low. Major cities are struggling, with per capita water availability plummeting from over 5,000 cubic meters in 1951 to a meagre 1,486 cubic meters in 2021 – a decline of nearly 70% in just 70 years. Projections show this will shrink further to a perilous 1,191 cubic meters by 2050,” informs **Mohammed Naser Azeez**, a leader in clean water innovation. This scarcity comes despite a constantly rising demand. “Our growing population, booming agriculture, and expanding industries are pushing water consumption ever higher, with estimates suggesting a jump from 710 billion cubic meters in 2010 to a staggering 1,180 billion cubic meters by 2050,” he adds.*

The situation is dire. Over 600 million Indians already grapple with a severe water shortage. “*We urgently need innovative solutions – from harnessing new freshwater sources to advanced wastewater treatment – to bridge this widening gap. The time for action is now before our future dries up,*” says the **Managing Director of Aquality Intelligent Solutions Pvt. Ltd. (AISPL)** (formerly

India's Water Crisis: A Tsunami We Can't Ignore

Mountains hold bounty, but uneven terrain, unpredictable rainfall, and surging economic growth have created a perfect storm: India's water crisis. Azeez says, “*Our citizens thirst for clean drinking water while salinity creeps into our groundwater. Industries struggle for reliable sources, and pollution from sewage and rivers threatens public health.*”

Water stress is a national concern, but for many communities, it's a full-blown crisis.

“At Aquality Intelligent Solutions (AISPL), we believe

innovation is the key to unlocking a sustainable future,” says Azeez. Growth is important, but not at the expense of communities and the environment. In today's world, where environmental consciousness reigns supreme, local efforts for responsible growth are crucial, especially in the water sector.

Azeez is a first-generation entrepreneur driven by a passion for making a difference. He is a recognized innovator and risk-taker who founded Aquality with the mission of providing advanced water treatment solutions for homes, businesses, and industrial facilities.

Beyond his business acumen, Azeez is a dedicated advocate for clean water access for all.

His commitment to this cause is evident in his development of solar-powered water treatment systems, bringing clean drinking water to remote areas. Through his unwavering focus on quality and technological advancements, Azeez plays a key role in ensuring safe and clean water for all.

Aquality Intelligent Solutions aren't just about filtration and purification – we're water wellness redefined.

Azeez says, “*Our expertise goes beyond commercial and industrial water treatment. We design and build cutting-edge, efficient systems tailored to your needs – from household consumption to specialized industrial processes.*”

The Director emphasizes, “*We offer a complete water ecosystem. Think about filtration, purification, and everything between supply, storage, cooling, dispensing, recycling, and even rainwater harvesting.*”



With Aquality, you get...

A Customized Solution for A Healthier Water Future

Azeez again paints a stark picture: leaky pipes and outdated infrastructure are hemorrhaging India's precious water supply. A staggering 50% of treated water is lost in distribution alone, translating to a yearly economic wound of \$600 million.

But waste isn't limited to broken pipes. Unsustainable water use by agriculture, industries, and even households – especially those without meters – piles on the pressure. Thefts via illegal connections further strain dwindling resources.

However, Azeez offers hope: ***advanced technology can be our water knight in shining armour.*** Smart sensors with AI can pinpoint leaks with over 90% accuracy, while advanced metering helps identify areas of excessive consumption. These technologies, along with smart valves and controls, can become the foundation of a water-wise future, enabling effective leak detection, preventive maintenance, and, ultimately, a dramatic reduction in water waste.

By embracing best practices worldwide, we can revolutionize water management in agriculture, industry,

and municipal supply. It's time to turn the tide on water wastage before our well runs dry.

Also, Azeez applauds the Government of India's critical step towards tackling the water crisis:

The Creation of the Unified Jal Shakti Ministry

This powerful move streamlines decision-making by bringing all water and wastewater-related ministries under one roof.

However, visionary leadership goes beyond structure. Azeez highlights a wave of impactful government programs: The flagship Jal Jeevan Mission promises clean drinking water for every household. Initiatives like smart irrigation, river interlinking, national aquifer mapping, and rainwater harvesting programs demonstrate a comprehensive approach. Dedicated budgets fuel these efforts, aiming to develop robust water infrastructure and ensure long-term water security for all.

Azeez outlines the essential steps required to optimize sewage water recycling for reuse: Given the dwindling freshwater resources in India, adopting a wastewater treatment and reuse strategy has become imperative. India can draw valuable lessons from countries where wastewater

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At Aquality Intelligent Solutions, we're at the forefront of technological advancements, ensuring a sustainable water future for India is achievable.

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recycling is already widespread. The *United States Environmental Protection Agency (US-EPA)* has provided comprehensive guidelines encompassing treatment processes, quality standards for reclaimed water, monitoring protocols, and regulatory measures tailored for various water reuse applications. These guidelines are a valuable reference for Indian water utilities planning to implement water reclamation and reuse projects.

While traditionally, augmenting drinking water reservoirs with reclaimed water has been uncommon, this approach has gained traction globally in recent years. Singapore has successfully incorporated reclaimed water, constituting 40% of its drinking water supply. India can initiate similar

initiatives, beginning with non-potable uses, particularly for irrigation purposes, which account for more than 80% of freshwater withdrawals. Additionally, industries in India must adhere to a zero-liquid-discharge policy, promoting circular water economy with recovery and reuse to mitigate their freshwater consumption.

Establishing clear policies and guidelines for wastewater recovery for non-potable purposes and gradually expanding the scope of reuse is imperative. By implementing these measures, India can effectively address its freshwater challenges while promoting sustainable water management practices across various sectors.

India Parched No More? Azeez's Ingenious Solution – Desalination - Offering a Salty Saviour

According to Azeez, with freshwater reserves dwindling, India is looking towards a vast, untapped resource: seawater. Globally, advancements in desalination technology are turning salty oceans into a beacon of hope for water-scarce regions. For a nation where 97% of its surface water is unusable, desalination could be a game-changer.

He informs that Tamil Nadu took the lead with India's first desalination plants in Minjur and Nemmeli, providing much-needed relief to Chennai. However, high energy costs have kept large-scale desalination at bay.

But the tide is turning. *"We can expect a paradigm shift as renewable energy like wind, solar, and hydropower becomes more affordable and efficient."* Imagine vast desalination plants powered by clean energy, turning



seawater into a sustainable source of fresh water for millions.

The future of water security in India may lie not in rivers but in the boundless potential of the oceans.

Can Oceans Save India? Desalination as a Weapon Against Water Scarcity

Reiterating the dangers ahead, Azeez says that India faces a water crisis – a silent tsunami threatening its economy, people's health, and the environment. But there's hope on the horizon, vast and salty: the ocean.

India's extensive coastline presents a unique opportunity – seawater desalination. This technology can transform undrinkable seawater into life-giving freshwater.

The most prominent method, reverse osmosis, removes excess salts and minerals, making seawater a viable source. However, desalination isn't a one-size-fits-all solution. Other technologies, like multi-stage flash distillation and vapour compression, cater to different needs.

While challenges like energy consumption exist, advancements in renewable energy and membrane technology pave the way for a more sustainable future.

Can India turn the tide on its water crisis? According to Azeez, Desalination holds immense potential, and with innovation, it might just be the weapon India needs.

India's Water Crisis: Aquality Turns the Tide?

India is at a crossroads. A looming freshwater crisis threatens the nation's future, but there's a flicker of hope—a collective movement towards sustainable water management.

Government initiatives are paving the way, utilizing cutting-edge technology to recharge groundwater, augment surface water resources, and treat and reuse wastewater. Smart distribution systems and focused efforts promise a brighter future.

Azeez concludes, *“At Aquality Intelligent Solutions, we're at the forefront of this change. With technological advancements, we believe a sustainable water future for India is achievable.”*



Awards Received by Mohammed Naser Azeez

- Transformational Business Leaders 2023.
- Top Most Water Management Leaders 2023.
- World CSR Congress's Top Most Water Leaders of India Award 2022.
- India's Hottest Young Entrepreneur 2019 by Business World Magazine.
- Hyderabad Water Leadership Award 2017.

Awards Received by his company Aquality

- Most Promising Water Treatment Companies in 2023.
- Fastest Growing Companies in India 2023.
- Aqua Excellence Award 2021.
- India 5000 Best MSME Award 2020.
- SKOCH Order of Merit 2020. 🇮🇳

