What M Sciences brings to the table.

An applications-led water technology company: proprietary treatment technologies, engineered systems, applications expertise. The Client Executive Brief sets out why to talk to us. This page sets out what we actually bring.

CLIENT WATER PROBLEM › APPLICATION SOLUTION › TECHNOLOGY PORTFOLIO › EVIDENCE + ECONOMICS

01 · WHAT WE HAVE

ANOT®
THE TECHNOLOGY
Advanced Nano Oxidation Technology, for defined oxidation-relevant interventions within a treatment train.

DEPLOYED

NOXXALL®
THE TREATMENT CHEMISTRY
The proprietary chemistry in which the technology is supplied, released only for application-specific use.

DEPLOYED

Sugofil®
ENGINEERED TREATMENT SYSTEMS
Treatment plants, conventional and containerised, configured to the application.

DEPLOYED

S Astra™
ELECTRIC, NON-CHEMICAL PROCESS
Patented multistage process (Indian Patent 590324), integrated into new systems or an existing plant.

PATENTED · LAB-VALIDATED · NOT YET COMMERCIAL

HOW WE DEPLOY — TARGETED BETTERMENT | HYBRID INTEGRATION | STANDALONE MODULAR | CONTAINERISED / MOBILE

A molecule is not an application. What makes a result repeatable is the engineering around it. **Our process ends at micron filtration** — ultrafiltration and reverse osmosis are separate technologies, integrated downstream where the endpoint requires them.

02 · WHAT WE DO — SERVICES

- **Water Economics Assessment** — Cost per m3, value pools, recommendation.
- **Controlled laboratory evaluation** — Dose-response against an agreed set, with controls.
- **Site pilot design and execution** — Success and kill criteria agreed before dosing.
- **Deployment and replication support** — Scope, consumables, acceptance.
- **Applications engineering** — Dose, contact time, insertion point.
- **Treatment-train integration design** — Where it sits, and its downstream effect.
- **Independent verification management** — Accredited third-party analysis.
- **Supply and operating support** — Reagent supply, monitoring, controls.

03 · WHAT WE'VE DONE

DECENTRALISED — STP · campus · hospitality
TEXTILES — Dyeing and processing
FOOD — Food and beverage processing
FISH PROCESSING — High-organic-load effluent

Historical deployments, 50–200 KL/day. Deployment experience is not a performance claim.

04 · HOW A CLAIM EARNS ITS PLACE

1. Hypothesis
2. Controlled laboratory
3. Independent verification
4. Site pilot
5. Replication
6. Commercial-scale evidence

We do not borrow confidence from a rung we have not reached. Refining, petrochemicals and pharmaceuticals are engaged selectively behind matrix, safety and evidence gates; tanneries remain controlled laboratory evaluation only behind a chromium speciation gate — speciation is not removal; mining is qualified by named contaminant only.

05 · HOW WE ENGAGE AND DELIVER

Asset-light by design
Laboratories, fabricators and engineering engaged per project, not carried as fixed cost.

Control retained where it matters
Local implementation, without losing formulation or evidence control.

06 · INSTITUTIONAL CAPABILITY

INDEPENDENTLY EVALUATED
NOXXALL evaluated by Dept of Chemical Engineering, IISc Bengaluru; trial tested at Bangalore University. Conducted under the former name, Ozo Nano Sciences.

TECHNOLOGY & INNOVATION
Inventor-led technology, IP and applications

COMMERCIALISATION & MARKET EXPANSION
Strategy, client development, commercialisation

ENVIRONMENTAL & ASSURANCE
Environmental, sustainability, accreditation

ENGINEERING & IMPLEMENTATION ECOSYSTEM
Laboratories, engineering and fabrication

TECHNOLOGY HERITAGE
Developed under technical leadership of Dr. Madan Iyengar, inventor of core technologies.

WHAT WE DO NOT BRING

The technology has been independently evaluated; individual applications have not, and we would rather you heard that from us. No application-specific result has yet been independently verified against a pre-agreed protocol, so we present no performance statistics. Independent laboratory analysis exists, held under client confidentiality. Treated water is not for drinking purposes.

Advanced oxidation does not remove dissolved salts, TDS or most dissolved metals. Where those are the binding constraint, membrane, evaporative, precipitation or ion-exchange processes remain necessary.

WHERE THIS STARTS

One site. One defined water problem.

Establish the baseline. Advance only if the evidence and economics support it.

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READ ALONGSIDE

Client Executive Brief · Client White Paper · Water Economics Assessment · Treatment-Train Boundaries Map

Evidence note: this document contains no M Sciences performance statistics. Application-specific claims are released only within the supporting evidence boundary.