

A Company Profile of Ganeca Group

FROM ENVIRONMENTAL CHALLENGES TO MEASURABLE PERFORMANCE.

Science-Led Solutions • Technology • Operations

Bandung, Indonesia - 2026

Science with Purpose.

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www.ganeca.co.id





From Strong Foundation a Promising Future

Leadership • Strategy • Innovation

Building Ganeca into an integrated environmental solutions company driven by science, technology, strong governance, and operational excellence.

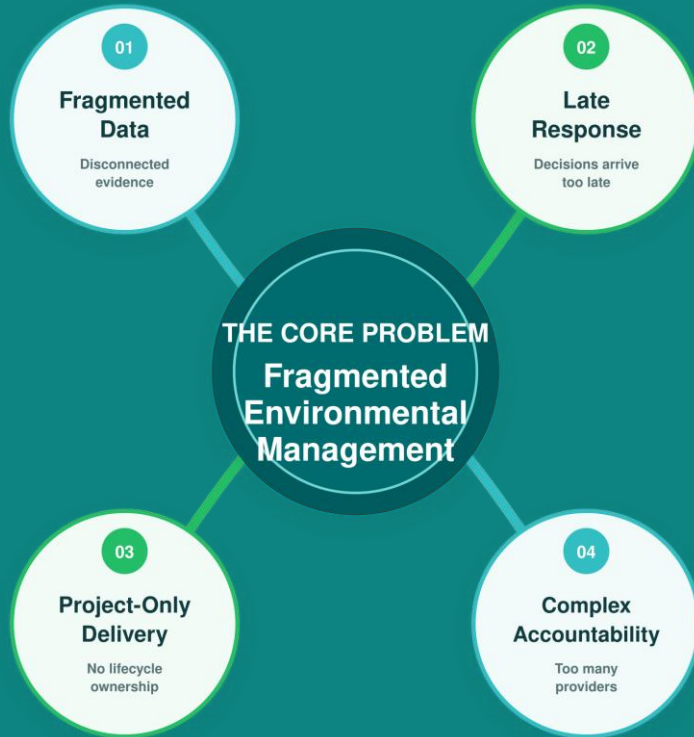
Dr. Ir. Muhammad Sonny Abfertiawan

Leading Ganeca's strategic direction and long-term growth, with a focus on strengthening the company's capabilities across environmental consulting, water and wastewater solutions, laboratory services, environmental operations, and digital monitoring technology.

His multidisciplinary background in environmental and mining engineering supports Ganeca's commitment to transforming scientific expertise into practical, scalable, and sustainable environmental solutions.



Ganeca



Environmental management is still fragmented and reactive

Industrial operators face rising compliance demands while data, technology, and execution remain disconnected.

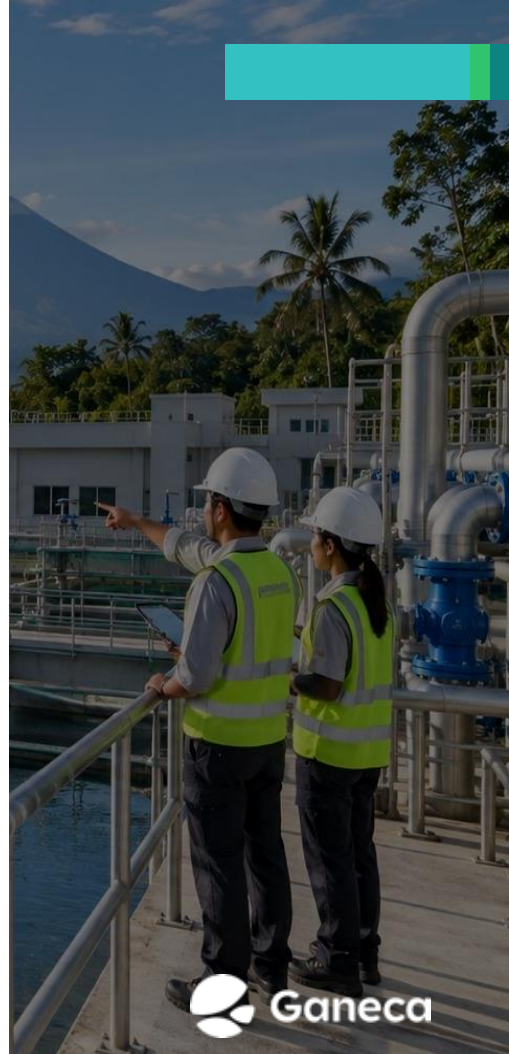
The market needs one **accountable partner**, from evidence and design to implementation and sustained operation.

Turning Science into Environmental Performance

Ganeca is an integrated environmental solutions company helping industries manage complex environmental challenges through science, engineering, technology, and field operations.

Established in Bandung in 2014, we build solutions for real operating conditions, covering studies and permitting, treatment, monitoring, laboratory testing, and long-term operations.

Science-led. Field-proven. Built for operations.



Ganeca at a Glance

120 +

Environmental
projects

50 +

Trusted
clients

19

Provinces across
Indonesia

7

Mining
commodities

Experience across industrial and mining environments where environmental solutions must balance compliance, technical performance, operating practicality, and long-term business needs.

Environmental Performance Should Create Business Value

Good environmental management does more than satisfy regulation. It reduces risk, improves resource efficiency, strengthens resilience, and supports responsible growth.



Technically defensible. Operationally practical. Measurable.

One Partner. Integrated Capabilities.

- | | | |
|----|-------------------------------------|---|
| 01 | Environmental Advisory | Studies, permitting & regulatory support |
| 02 | Water & Wastewater | Engineering, treatment & optimization |
| 03 | Environmental Laboratory | Sampling & reliable analytical data |
| 04 | Smart Monitoring | Sensors, dashboards & reporting |
| 05 | Operations & Maintenance | Site teams, maintenance & process control |

PLAN → ASSESS → DESIGN → IMPLEMENT → MONITOR → OPERATE → IMPROVE

Move Projects Forward with Confidence

Clear environmental approvals depend on sound science, disciplined documentation, and effective regulatory coordination.

Environmental Assessment

- AMDAL • UKL-UPL
- SPPL Addenda
- DELH • DPLH

Technical Approvals

- PERTEK
- Wastewater
- Emissions SLO

Compliance & Performance

- RKL-RPL reporting
PROPER
- LCA
- ESG support

Clear documents. Confident approvals. Stronger compliance.



Better Decisions Begin with Better Evidence

We combine field data, laboratory analysis, modelling, engineering judgment, and regulatory insight to produce recommendations that can be defended and implemented.

Environmental Baseline

Site characterization & environmental condition

Water Systems

• Hydrology • Hydrogeology • Water Balance

Risk & Modelling

- Environmental risk
- contaminant fate & transport

Mining Geochemistry

- AMD/ARD • Mine Water
- Pit Lakes • Closure

Trusted evidence. Defensible decisions.

From Water Challenges to Reliable Treatment Performance

Site-specific treatment built around water characteristics, flow variability, discharge targets, sludge, energy, and operating capability.

Mine Water Treatment

- Characterization
- Process Selection
- O&M

Containerized STP

Compact systems for rapid deployment

Permanent Treatment

Concrete / FRP systems for long-term needs

Operations & Optimization

- Operators
- Maintenance
- Process Control

Smarter Monitoring. Better Decisions.

Connected monitoring should turn environmental data into operational intelligence, faster detection, clearer reporting, and better response.

SPARING

Wastewater

ONLIMO

Water Quality

SPAS

River Station

CEMS

Emission

AQMS

Ambient Air

AWS

Weather

FROM ENVIRONMENTAL DATA TO ACTION



Ganecahub

A connected environmental ecosystem designed to bring monitoring, environmental data, reporting, analytics, remote control, and laboratory information into one operating environment.



Please visit: www.ganecahub.com

Connected

One environment for environmental information

Real-time

Continuous visibility of site conditions

Intelligent

Turn data into insight and priorities

Actionable

Support faster operational response

One connected ecosystem for smarter environmental management.

Reliable Science Behind Every Decision

Scientific integrity • accuracy • traceability • impartiality

Through **PT Akalab Mahardika Indonesia**, a Ganeca subsidiary, Ganeca strengthens its integrated capability with environmental laboratory testing and field sampling.

Water & Wastewater

Environmental compliance and treatment control

Soil & Sediment

Environmental assessment and investigation

Air & Emissions

Ambient and source monitoring support

Geochemical Materials

Mining and environmental geochemistry



Environmental Challenges Differ. Our Approach Adapts.

Every engagement is tailored to the site risk, operating conditions, and regulatory requirements.

Mining

Mine water • AMD/ARD • closure

Manufacturing

Compliance • wastewater •
emissions

Oil & Gas

Planning • risk • monitoring

Infrastructure

Site monitoring • sediment •
wastewater

Consumer Goods

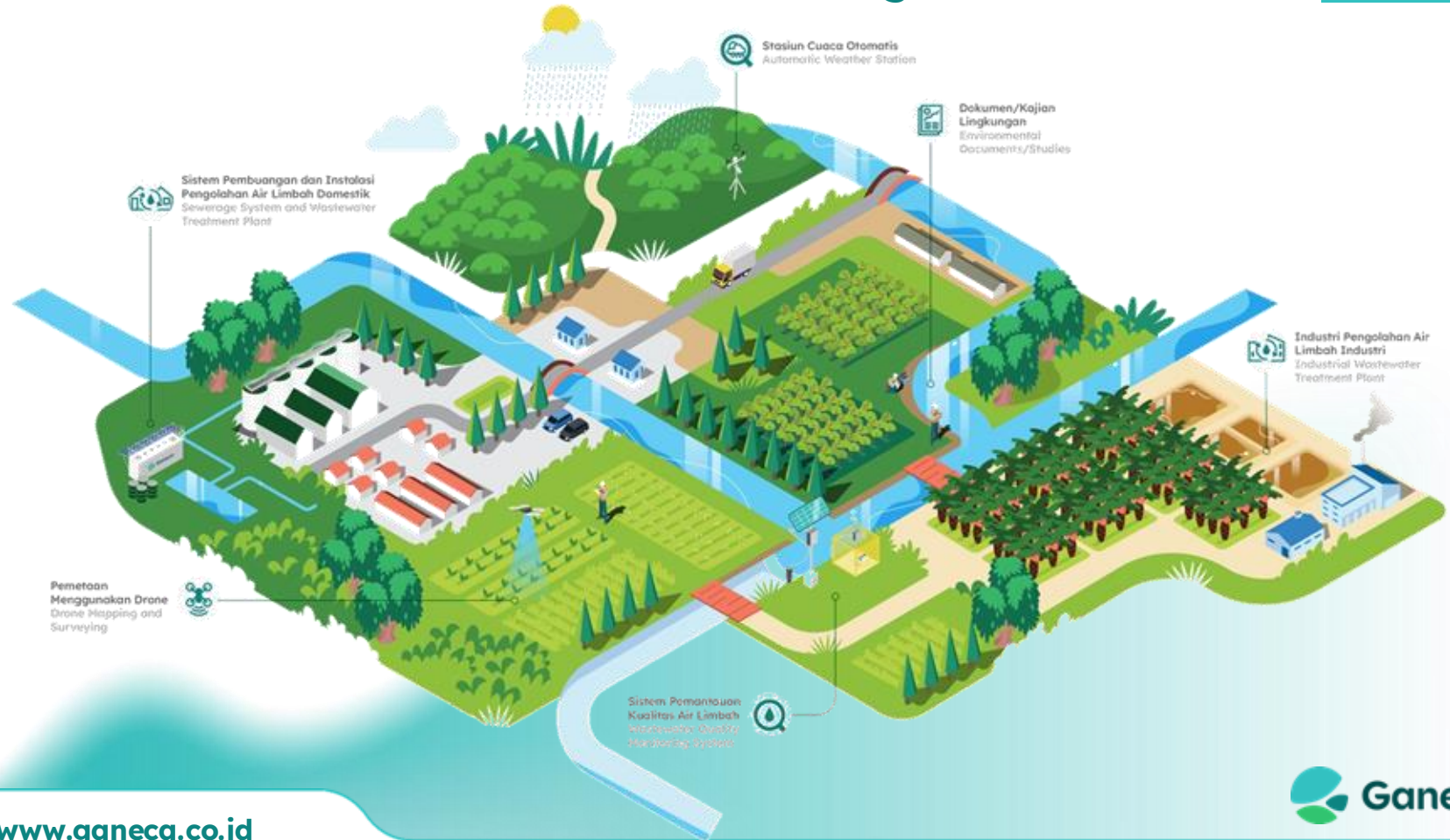
Water • waste • resource efficiency

Urban & Domestic

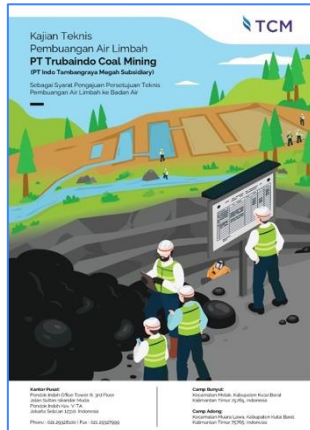
Wastewater • drainage •
water quality

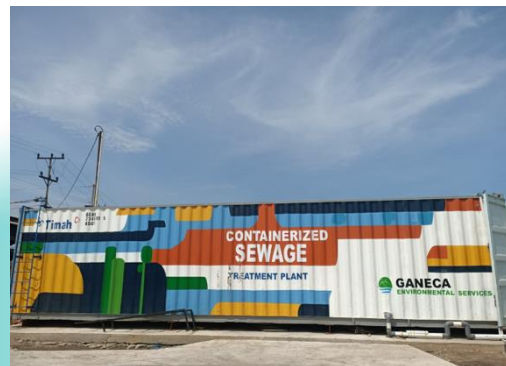






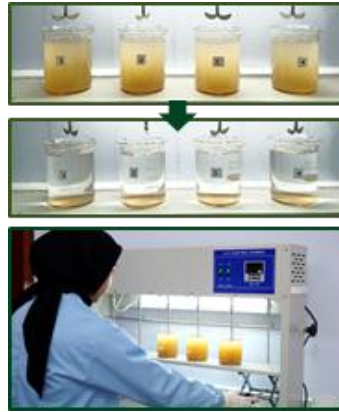








Ganeca provides **dedicated personnel, operational oversight, maintenance coordination, and technical support** to help **environmental facilities perform reliably**. Our managed approach strengthens **operational continuity, documentation, issue response, and continuous improvement** throughout the facility lifecycle.



Built for Complex Mining Environments

Mine water, geochemistry, remote operations, stringent discharge requirements, and long closure horizons demand integrated thinking

01

Explore & Plan

02

Design & Develop

03

Operate & Control

04

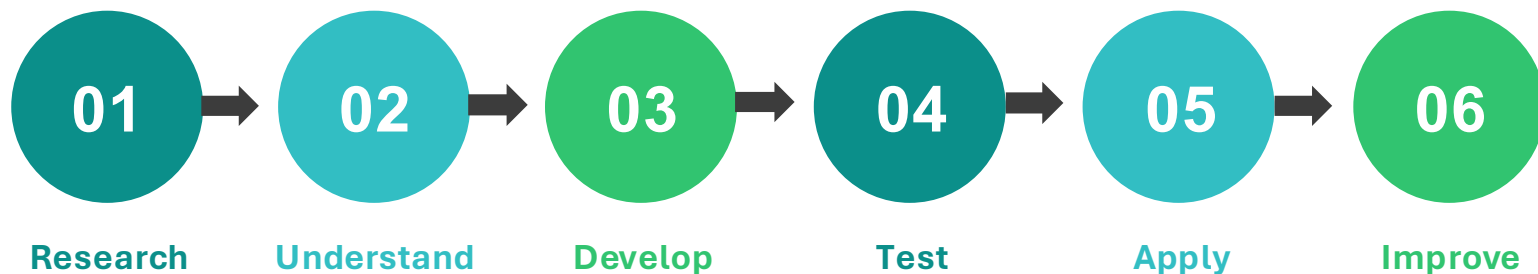
Improve

05

Close & Transition

Science Should Leave the Laboratory

Applied research, publication, and experimentation help us understand difficult environmental problems and translate knowledge into solutions for the field.



Research grounded in practice. Innovation built for the field.

Trust Is Built Through Consistent Action

Technical capability matters. So does the way the company governs, documents, and delivers its work.

Leadership & Accountability

Clear roles and approval authority

Integrated Processes

Traceable workflows and ERP systems

Quality Assurance

Technical review and corrective action

Integrity & Anti-Bribery

Conflict controls and transparent records

Financial Accountability

Structured controls and external audit

People, Safety & Environment

Responsible practice for clients and communities

Building management-system readiness toward ISO 9001, ISO 14001, and ISO 45001.

The People Behind the Science

A multidisciplinary team of environmental engineers, researchers, scientists, technology specialists, operators, and business professionals.

Dr. Ir. M. Sonny Abfertiawan

Founder & Senior Managing Director

Rezki Ramadhani

Commissioner

Andi M. Fajrin

Commissioner

Siska Nuraprianisandi

Quality Assurance

Rafid Risandri Hikmat

Research & Innovation

Heksantia R. Yasya

Research & Consulting

Iman Abdul Rohman

Environmental Technology Operation

Meet All Team at ganeca.co.id/team

More Than an Environmental Consultant

01

Science-led

Evidence and technical judgment

04

Technology-enabled

Sensors, platforms, analytics

02

End-to-end

From advisory to operation

05

Operationally focused

We help systems perform

03

Field-proven

Built for real site conditions

06

Long-term partner

Built to grow with client needs

Real Science. Practical Solutions. Lasting Impact.

Environmental Challenges Are Complex. The Right Solution Should Be Clear.

Whether you are planning a new development, solving a water-quality problem, strengthening compliance, or building smarter monitoring, Ganeca brings together the expertise, technology, and operating capability to move your project forward.

Let's Build the Right Solution Together

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