ENVIRONMENTAL MODELLING (AIR, WATER, NOISE)

SUPPORTING ENVIRONMENTAL PLANNING, IMPACT PREDICTION, AND INFORMED DECISION-MAKING THROUGH SCIENTIFIC ENVIRONMENTAL MODELLING SYSTEMS.

OVERVIEW

How many environmental impacts could be anticipated earlier if organizations had a clearer understanding of how air emissions, water discharges, or noise sources may affect surrounding environments?

We provide quantitative environmental modelling services that support environmental impact assessment, permitting activities, environmental planning, and regulatory submissions.

Our modelling studies help organizations evaluate potential impacts before implementation, allowing environmental risks to be identified, assessed, and managed through informed decision-making.

At EcoDynamix, we help transform complex environmental data into practical modelling systems that support environmental planning, compliance, and sustainable project development.



WHAT WE DELIVER

Air Quality Modelling

- Emissions inventory development
- Source characterization
- Dispersion modelling studies
- Air quality impact assessment
- Regulatory compliance evaluation

Water & Hydrodynamic Modelling

- Hydrological assessments
- Hydrodynamic modelling
- Contaminant transport studies
- Discharge impact evaluation
- Downstream receptor assessment

Noise Modelling

- Baseline noise characterization
- Construction noise assessment
- Operational noise prediction
- Cumulative noise impact assessment
- Mitigation evaluation

OUR APPROACH

We focus on scientific accuracy, regulatory alignment, and practical environmental decision support.

Each modelling study is designed to:

- Support environmental planning.
- Predict potential environmental impacts.
- Strengthen environmental risk evaluation.
- Support permitting requirements.
- Improve environmental decision-making.

HOW IT HELPS

- Identifies potential environmental impacts before implementation.
- Supports environmental permitting and approvals.
- Improves environmental planning and project design.
- Strengthens environmental compliance evaluations.
- Supports sustainable project development.

REGULATORY & INTERNATIONAL ALIGNMENT

Aligned with recognized environmental modelling practices, assessment requirements, and regulatory frameworks.