

Take Control of your AI Future with the Uncertainty Engine

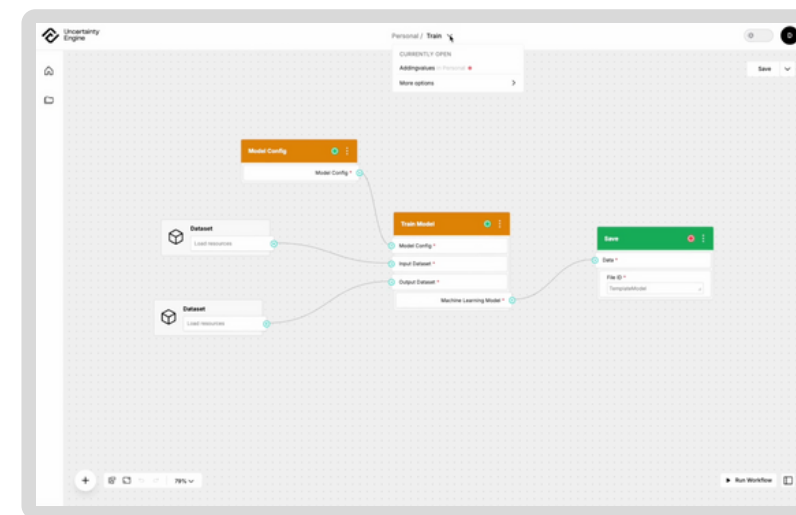
Today's high-stakes industries face shifting regulations, unpredictable variables, and mounting pressure to innovate faster. Traditional AI was never designed for such environments - where uncertainty is the rule, not the exception.

The Uncertainty Engine is empowering organisations with the tools to navigate risk and act with confidence in an increasingly complex world.



The Uncertainty Engine™ is a next-generation AI platform for building, testing, and deploying explainable, uncertainty-aware AI workflows. Its graph-based, strongly typed workflow builder, enables modular designs that support complex decision-making while quantifying uncertainty at every step.

Purpose-built for safety-critical, high-stakes domains such as advanced energy, critical infrastructure, cyber-security, and environment and conservation, it empowers organisations and governments to deploy trusted AI systems with sovereignty over their models, workflows, and compute resources.



Inside the Engine: A platform for modelling, optimisation, and trusted decision-making.

The Uncertainty Engine gives your teams the tools they need to model complex systems, quantify uncertainty, optimise under constraints and act decisively at speed. Teams can build visually on the canvas or integrate via the SDK for full flexibility - helping you move faster from experiment to deployment, accelerate innovation, cut R&D costs, and ensure every decision is backed by explainable, defensible evidence.

Model

Create probabilistic machine learning models that capture uncertainty from day one - even with sparse data.

Represent complex system behaviour without waiting for complete datasets.

Accelerate design cycles

Model before you measure

Cut simulation costs

Ask

Turn models into instant predictions you can trust.

Find out what you don't know, and classify events in seconds by emulating simulations that would take hours or days.

Real-time answers

Trusted uncertainty

Fewer errors

Act

Optimise designs, sensor placement, and test plans using bayesian optimisation and active learning.

Know where to experiment and what to measure next.

Guide R&D investment

Shorten innovation timelines

Maximise system uptime

Evolve

Update models in minutes as new data arrives.

Maintain precision without costly retraining - keeping predictions sharp as systems evolve.

Always-current intelligence

Avoid model drift

Continued confidence

Key Features

Uncertainty Quantification (UQ) at the Core

Quantify, visualise, and manage uncertainty with world-leading methods to deliver precision where conventional black-box AI fails.

Probabilistic AI Engine

Built on the most advanced Bayesian methods.

No-Code AI Workflow Builder

Drag-and-drop simplicity for engineers, strategists, and decision-makers.

Advanced API & SDK Access

Full flexibility for AI practitioners, developers, and integrators.

Workflow Build Options

Users can access a library of pre-built workflow templates to get up and running quickly, or build custom workflows for specific problems.

Project Collaboration

Users can share their workflows across teams for closer collaboration.

Flexible Deployment

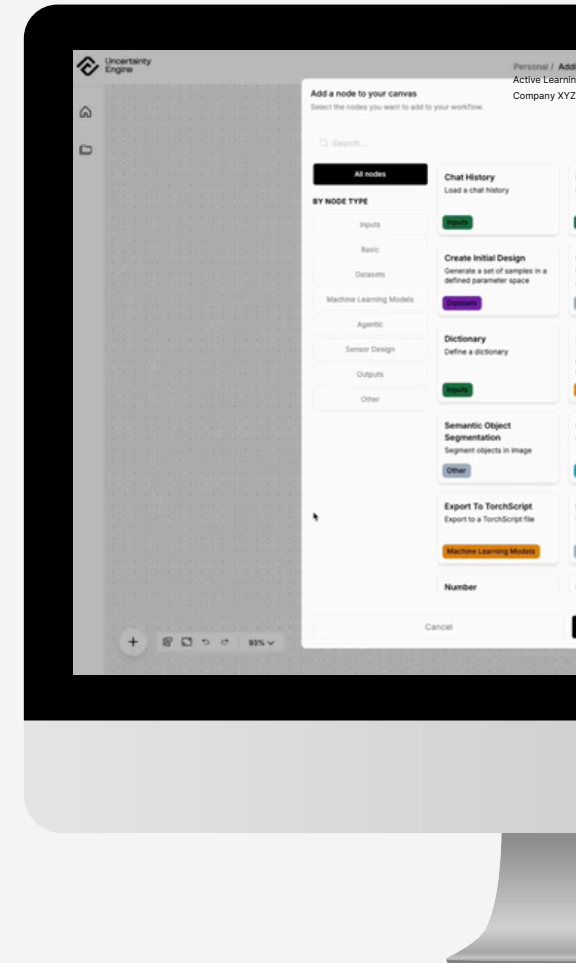
The Uncertainty Engine can be deployed for your specific needs whether On-prem or Cloud.

Multiple Data Formats

The platform handles structured and unstructured data. From SQL tables and spreadsheets to images, audio, and video, it supports multiple formats and connects seamlessly to cloud storage, databases, and file systems.

Key Benefits

- **De-risk High-Value Decisions** – Understand and manage uncertainty to avoid costly mistakes, project overruns, and failed launches.
- **Reduce Cost of Innovation** – Our fast emulators accelerate high-fidelity simulations and experiments, cutting R&D cycles and lowering the cost of developing new or novel technologies.
- **Accelerate Time-to-Market** – Move from concept to deployment faster by removing tool silos and enabling streamlined, automated workflows.
- **Maximise ROI from your Data** – Unlock actionable insights from sparse, incomplete, or expensive datasets, reducing reliance on costly large-scale trials.
- **Strengthen Competitive Advantage** – Turn uncertainty into a strategic edge that enables faster, smarter moves than competitors.
- **Own and Control Your AI Future** - Our sovereign AI approach enables control over your models and deployments.
- **Ensure Compliance and Trust** - Transparent AI that builds confidence with stakeholders, auditors, and investors.



About

digiLab is a pioneering AI company that empowers organisations and governments in safety-critical or highly regulated industries to confidently address critical, complex, and high-stakes challenges, even when data is sparse or incomplete. Through our trustworthy and explainable AI platform, The Uncertainty Engine, and the support of our machine learning specialists and data scientists, digiLab enables decision-makers to accelerate innovation, turn insight into action, and deliver greater value through more informed and confident decisions.



When Uncertainty Matters

www.digilab.ai | info@digilab.ai