

## aiEthix: Your AI compliance partner

In a world of fast evolving AI regulations, it is difficult for companies to understand how they should be using artificial intelligence within their businesses. aiEthix from Securys, the global privacy and data protection consultancy, provides practical AI implementation and governance solutions that take the guesswork out of managing AI responsibly and allow firms to explore machine learning opportunities that will withstand future developments in technology and legislation.

### What we offer

Our team has many years of experience helping organisations navigate many kinds of data protection and privacy challenges. Now, we are applying our advanced knowledge and unique insights into managing risk in these areas to the burgeoning and exciting field of machine learning.

Our approach is refreshingly practical and our methods leave no stone unturned. Our start point is our clients' aspirations to ensure their AI infrastructure aligns with wider organisational goals.

#### AI discovery

##### Mapping your existing AI footprint

An AI discovery draws upon our experience of data privacy discovery and audit for organisations of all types to conduct low impact high insight analysis of your workflows and data flows involving internally built and externally sourced AI/ML tools as well as unsanctioned "shadow AI", which we investigate in a non-confrontational, non-judgemental way.

#### AI Governance

##### Making light work of your regulatory requirements

Data knows no border. Even a modest AI/ML deployment exposes you to regulatory and legislative enforcement across multiple jurisdictions. Let our experts work alongside your risk and compliance teams to identify, monitor and mitigate all the risk that groundbreaking technologies run, without sacrificing your ability to profit from the opportunities that AI/ML bring.

#### AI by Design

##### Put data protection to work

Our consultants will work with you at every stage of the AI product cycle, from inception to delivery, advising on data preparation and system architecture to ensure that your models source and handle data responsibly, conform to relevant regulation, and are adequately risk-assessed and proactively risk-mitigated.

### About Securys



#### Global knowledge, locally delivered

Our teams of international experts, operating across dozens of jurisdictions, deliver relevant advice and see the world through your lens.



#### A deep understanding of data

We bring decades of experience delivering privacy-by-design programmes to clients of all scopes and scales, across multiple industries and jurisdictions.



#### Practical approach

We will tackle any bespoke AI project in a constructive fashion, breaking down barriers within teams to enable better compliance and a united approach to implementation.

# The aiEthix Audit Methodology

## Background

The TRLML methodology was developed in a collaboration between MIT, Microsoft, Salesforce, Nvidia, NASA, Oxford University, Unity AI and the Alan Turing Institute, among others. It defines ten technology readiness levels (TRLs – see diagram) to guide and communicate AI and ML development and deployment. A TRL represents a stage in the maturity of a model or algorithm, data pipelines or software module, from prototyping, productization right through to deployment.

## Stage by stage audits

The typical ML system consists of many interconnected subsystems and components, and the TRL of the system is the lowest level of its constituent parts. The anatomy of a level is marked by gated reviews, evolving working groups, requirements documentation with risk calculations, progressive code and testing standards, and deliverables such as TRL Cards, ethics checklists, Data Protection Impact Assessments (DPIAs) and AI Compliance Assessments (AICAs).

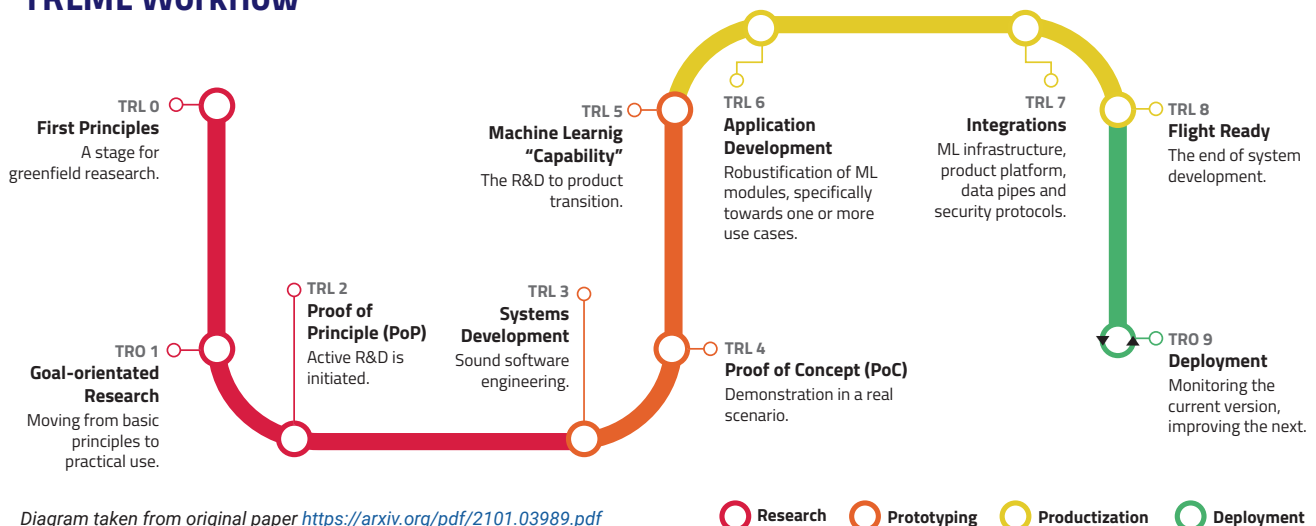
## Interactive capability

Levels can be revisited as the development process iterates—which is common for AI and ML projects—and the TRLML audit as a process is able to continue beyond product deployment, enabling the kinds of monitoring and feedback cycles important for continuous reliability and improvement over the lifetime of ML-based products and services.

## What is aiEthix?

aiEthix is a scalable and iterative ethics, safety and regulatory audit solution for AI & ML projects of all kinds. It uses the Technology Readiness Levels for Machine Learning (TRLML) methodology to engage with your AI development process whether you're building foundational models from scratch, deploying or fine-tuning open source models or just integrating commercially available services into a product workflow.

## TRLML Workflow



## For more information



**Ben Rapp**  
Founder & Principal  
ben.rapp@securys.co.uk



**James Flint**  
Senior Consultant  
james.flint@securys.co.uk