

# Transforming Data into Opportunities: AI-Powered Duplicate Detection

Exploring how AI is further enhancing LEI duplicate detection to promote unique and reliable entity identification across the Global LEI System.

Every Legal Entity Identifier (LEI) is unique. Each entity can hold only one LEI code for the unambiguous identification of legal entities.

This principle underpins the Global LEI System, enabling anyone, anywhere in the world, to identify legal entities with confidence.

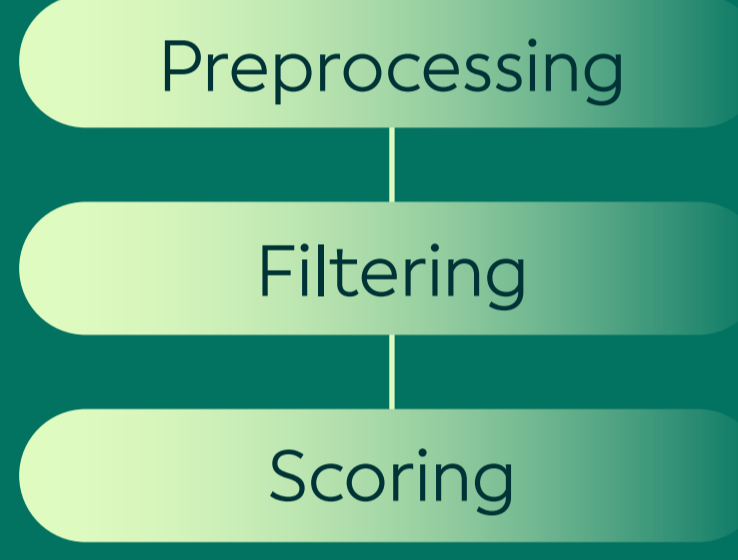
## The AI Shift

AI strengthens GLEIF's 'Check for Duplicates' facility, enabling it to go beyond the typical fuzzy name matching approach with:

- ✓ **Earlier detection**
- ✓ **Enhanced comparison**
- ✓ **Efficient workflow**

## The Mechanism

The AI-enhanced duplicate detection workflow combines preprocessing, filtering, and scoring to more accurately identify potential duplicate registrations while reducing false positives.



## The Impact

AI enables faster, scalable, and more consistent duplicate detection by identifying potential matches earlier in the process.

It does this by comparing new records with existing LEI reference data at scale and strengthening quality controls across multiple data elements.

## The Governance Framework

AI-supported duplicate detection is built on trusted data foundations and backed by clear governance.

By combining appropriate AI models, transparent recommendations, continuous improvement, and human expertise, this approach enhances efficiency while maintaining trust across the Global LEI System.

## The Results

### Maintaining Global System Integrity

A well-established duplicate detection and remediation process means that potential duplicates account for less than 0.2% of all records in the Global LEI System.

- Proven Processes**
- High Accuracy**
- System-Wide Integrity**

### Transforming data into opportunities

With GLEIF's trusted standards, the future of digital trust starts here.

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