

Global vLEI Hackathon 2025

Executive Summary



Table of Contents

1.	<i>The Agentic Revolution Challenges</i>	3
2.	<i>Expandable by Design. Adaptive by Nature. Autonomous at Core</i>	3
3.	<i>Set It Up Once. Unlock Continuous Access.....</i>	4
4.	<i>Active Until Conditions Change.....</i>	4
5.	<i>Agentic Economy Foundations.....</i>	4

1. The Agentic Revolution Challenges

As **autonomous agents** increasingly drive B2B interactions—executing tasks, negotiating, and co-creating value—the need for **automated, verifiable trust mechanisms** becomes paramount. Traditional trust models based on human judgment and reputation are no longer sufficient in a landscape where decisions and transactions occur **at machine speed and global scale**.

In a high-volume B2B transaction environment, simply knowing your counterpart is not always sufficient. It is equally important to verify that they **possess the necessary attributes** to successfully complete the transaction.

For example:

- *Does the entity have supplementary insurance coverage on the property?*
- *Is the company financially robust enough to justify an advance payment?*
- *Is their ESG profile sufficiently green to be included among approved suppliers?*

Addressing these types of questions is essential in every transaction. This requires enriching the identity of each actor with certified attributes.

In an agent-based context, having a **certified ecosystem of agentic applications** becomes a critical factor—not only to ensure the reliability of the counterpart, but also to guarantee the trustworthiness of the platform itself.

For instance, consider an application that, based on warehouse needs, autonomously identifies suppliers, initiates contact, and completes restocking orders. Enabling such an ecosystem could represent a **true game changer for the future of B2B**.

2. Expandable by Design. Adaptive by Nature. Autonomous at Core

To address this challenge, CRIF introduces *TrustSphere*, a **global trust ecosystem** built upon the concept of GLEIF credentials, which establish the verified identity of a company or an individual within it. It introduces the notion of **badges**—digital proofs of specific attributes, capabilities, or qualifications of the company.

Think of it as a **virtual passport**: it allows a company to access the "customs gate" of a protected ecosystem. Yet, thanks to the extensibility provided by **GLEIF's vLEI framework**, this ecosystem is not closed—it is designed to be expandable and interoperable.

Badges are credentials defined within the vLEI ecosystem and issued by certifying entities—organizations recognized by a QVI (Qualified vLEI Issuer)—that are authorized to issue specific types of credentials.



These credentials are **actionable** within the *TrustSphere* network, enabling interaction with applications—platforms or entities with either human or agentic interfaces—that are certified and secure, either by GLEIF or a QVI.

3. Set It Up Once. Unlock Continuous Access

Badge issuance may involve a certification process that is time-consuming and not necessarily digital. For example, it may require sending physical documents, interacting with human operators, or waiting for an expert’s verification. However, this process is carried out **only once** with the certifying authority.

Once the badge is issued, it can be reused continuously across the ecosystem until its expiration date. This approach **ensures efficiency and trust**, enabling companies to leverage verified credentials without repeating formal procedures.

4. Active Until Conditions Change

The certifying authority is responsible for managing the badge’s lifecycle. If the conditions under which the badge was issued are no longer met, the badge can be invalidated through the **credential revocation** mechanism embedded within the vLEI ecosystem itself.

5. Agentic Economy Foundations

TrustSphere positions itself as a **foundational infrastructure for the agentic economy** — not merely as a framework for establishing trust, but as a dynamic system for operationalizing it.

In this emerging paradigm, where autonomous agents conduct business at machine speed, trust must be embedded directly into the digital fabric of interactions.

TrustSphere achieves this by transforming trust from a passive attribute into an **active capability** — one that is programmable, measurable, and portable across networks and domains.

Joining *TrustSphere* businesses gain access to a seamless, scalable, and intelligent trust infrastructure that supports:

- **Faster transactions** through instant validation of counterparties and credentials.
- **Safer partnerships** by ensuring alignment with regulatory standards and ethical practices.
- **Smarter interactions** powered by AI agents that can autonomously navigate, negotiate, and compose services based on trust parameters.

