GOAL-DIRECTED TO ACHIEVE RESULTS
The HMX Tax Intelligence System (TIS) helps meet tax collection goals and eliminate corruption using a unified compliance model that maps specific goals to fraud and anti-corruption situations.

HUMAN-AI PARTNERSHIP
Human expertise and knowledge developed over decades of real-world experience are captured and used by HMX TIS. TIS adds machine learning (ML) to augment human experience with the power of deep analytics and continuous improvement.

AZURE READY
TIS is optimized for Azure for on-demand scalability, zero downtime, and integration with the full portfolio of Azure services. TIS is available for hybrid deployments with on-premises servers plus Azure cloud.

HMX's AI-powered Tax Intelligence System (TIS) goes beyond traditional pattern matching, profile segmentation, and rules processing. Instead, subject matter experts, operational teams, and data scientists combine their time-tested knowledge with TIS data discovery to better detect fraud and non-compliance.

TIS was developed over a ten-year period at HMX. It began as an integrated platform combining the latest in machine learning and graph database. Over the years, experience in decision-support for mission-critical solutions demonstrated the need to better partner AI with human users and avoid “black box” tools with opaque algorithms. This emphasis on explainability gives analysts and users more visibility and control.

TIS delivers its explainable AI via a service that leverages an easy-to-use workbench that integrates all the tools necessary for a fully functional tax compliance and anti-corruption engine so that customers and partners have complete visibility and control.

* HMX Corporation supports the United Nations 17 Sustainability Goals
TIS Simulator Enhances Compliance Development & Testing

TIS includes a scenario simulator to enable rapid definition of application use cases that can be examined in a virtual environment before deploying the solution to production. A pre-defined reference architecture provides an environment for analysts to make changes to scenarios, configure actual data for input, and perform 'what if' simulations to see how changes to goals, situations and actions will affect a reduction in fraud and corruption.

HMX dedicated representatives help analysts to structure their use cases, capture the right knowledge and data, and interpret the results of simulated scenarios. A complete verification and validation protocol is defined to help ensure that a TIS deployment will meet the desired fraud and corruption reduction targets.

**Explainable Technologies are the Foundation of TIS**

- TIS applies explainable AI technology that engenders trust with users.
- Get to key results quickly through narratives automatically generated from TIS analytics.
- Standard reports and Power BI dashboards are designed for every level and every role within the enterprise.
- TIS Bayesian networks enable human-like reasoning under uncertainty, tracking of root-causes of fraud and corruption, and elimination of common biases in decision-making.

For more information on the TIS and other services available from HMX, please visit us on the Web at: **hmx.ai**

HMX Corporation
6 Liberty Square, #2331
Boston, MA 02109
+1 617 794 1401