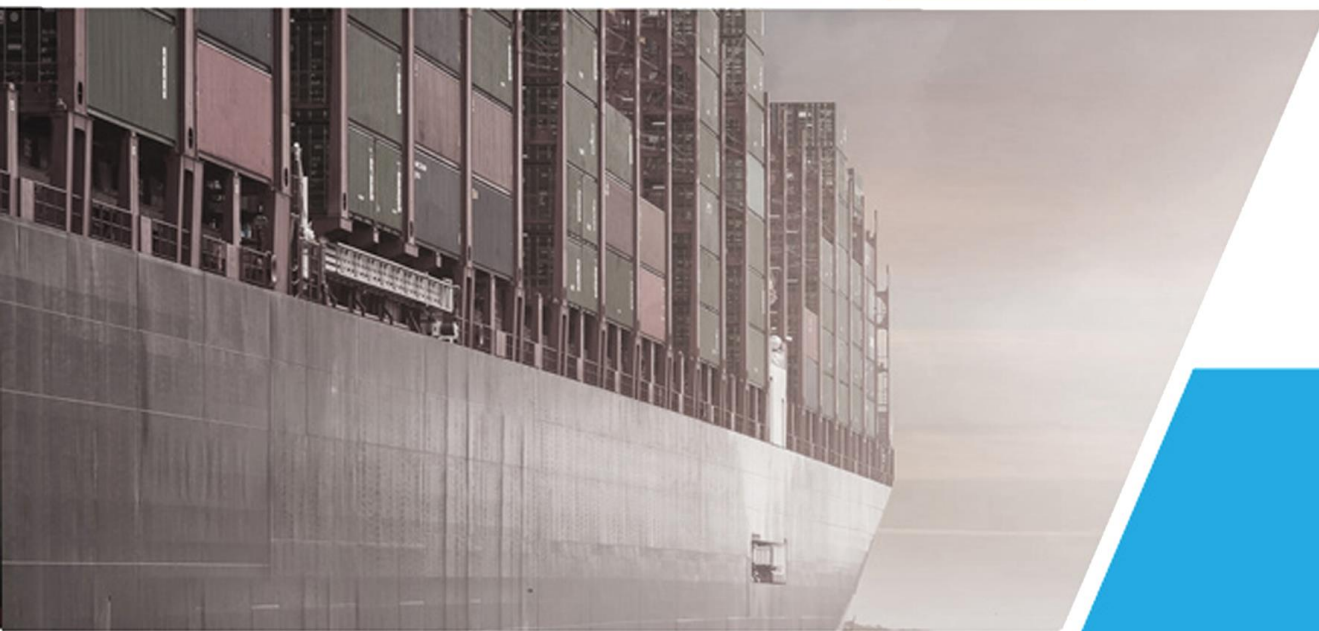


LaRA

Latona Risk Analysis System
for Customs Authorities





Mastering customs operations through leveraging risk management

LaRA (Latona Risk Analysis System) is designed and built as an intelligent platform for enhanced security risk analysis and management in the trade of goods across borders.

It is easily integrated into different customs operations in order to support trade facilitation, national security, public safety and revenue collection. With the support of sophisticated technologies, based on inductive, deductive, and predictive analysis the system delivers insights for strengthening Customs Administrations capabilities and improving visibility, agility, and control over operations.

LaRA supports customs organizations in identifying Risk Areas, dynamically configure Risk Profiles and Indicators, and apply appropriate measures to handle identified risks. Management of Risk-related processes like Risk Profiling, Risk Assessment, Risk Analysis, and Risk Evaluation is done from one secure place.

The system facilitates the process of verification the completeness of the trade chain documentation: pre-loading declarations, import declarations, commercial invoices, warehouse stock reports, etc. through definition of specific patterns used with Artificial Intelligence module of the system. Specifically, LaRA performs risk analysis and e-screening of different types of pre-arrival documents including Advance Cargo Information, Entry Summary Declaration for all types of transport, incl. postal, express, and low-cost consignments, Arrival Notification, etc. In addition, it ensures a Post Control Risk Analysis of commercial invoices and warehouse stock report and defines patterns to compare the pre-arrival, arrival and post-control information. The verification of the supply chain reduces the risks levels, but the missing verification rises additional risk flags.

This powerful system is compatible with the UCC risk management system requirements and the ICS 2.0 specifications, which provides exhaustive analytical information and takes into consideration the WCO Security Standards. Hereby, customs administrations take advantage of the most innovative risk analysis methods and models and make a step towards higher security and enhanced revenue collection.





Build Your Efficient Risk Analysis System

LaRA consists of several modules supporting customs authorities in competing more effectively with illicit trade and addressing the wide variety of existing and evolving threats.

Risk Profiling: Risk Profiles are developed by listing a number of Risk Rules and Indicators. The Risk Rules could be both simple and complex, and they should be updated and adjusted on a regular basis. The Risk Profiling module provides also Instructions for the appropriate actions to be taken in cases when a Risk is identified.

Risk Assessment: The Risk Assessment module evaluates Risk Profiles and Risk Levels, as well as the Scoring set in the system. The System generates a risk level assessment model, thus assigning scores to risk indicators and calculating the optimal division line between high and low-risk levels.

Risk Blacklisting: In this module, a register(s) of subjects of Risk Analysis is created and the performance indicators are calculated periodically. The reliability of these subjects is also assessed.

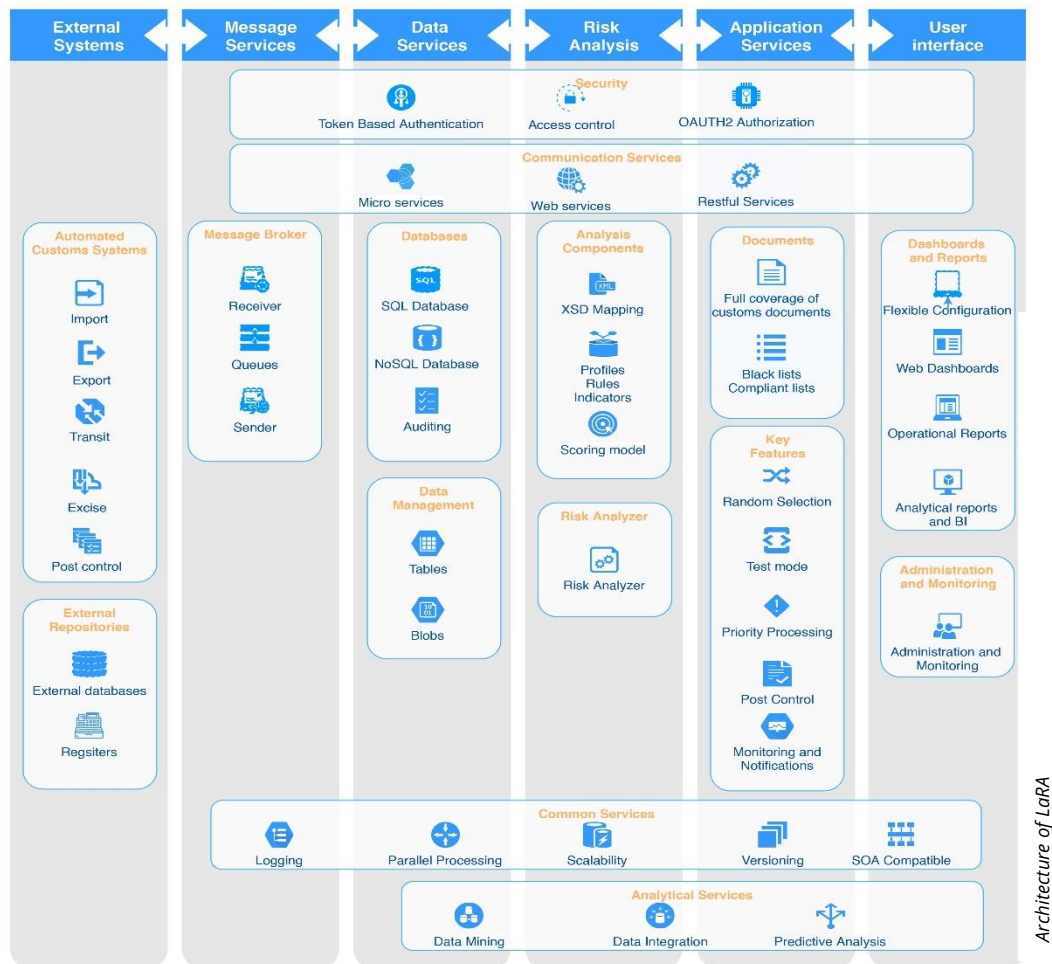
Risk Analyzer: It is the core of LaRA and matches pre-set Profiles/Rules and Indicators to real objects. As a result of the Risk Analyzer's work, the Risk score of the analysed object is generated and appropriate instructions are given to address the identified risk.

Random Selection: In addition to the Risk Profiles, some objects of the Risk Analyzer are subject to random checks, which provides a fair approach for all traders.

Enhanced Risk Analysis: Enhanced risk analysis is performed based on the integration with external sources such as: WCO data model; Import/export prohibitions and restrictions (e.g. CITES); National quotas for import/export; REX (Registered Exporter System); AEO (Authorized Economic Operators); MRAs (Mutual Recognition Agreement between countries); pre-arrival documents (ACI - Advance Cargo Information, ENS, etc.); Credit registers; Rating agencies; Trade associations; Statistics agencies; Commercial policy measures (e.g. IPR, GSP). Furthermore, Post Control Risk Analysis is also performed. In addition, the system is designed to compare, cross-check, and verify data from different supply chain documents.

Data Analytics and Executive Reporting: LaRA provides a variety of statistics and Key Performance Indicators (KPIs) through comprehensive dashboards. This ensures complete visibility and data-driven decision-making while managing risk.

Data Mining; Inductive, Deductive, and Predictive Analysis: The information and the data collected in the process of Risk Analysis, as well as the Business Intelligence functionality, are used for calculating and developing algorithms for inductive, deductive, and predictive analytics and building behavioural models. These models could be of great help in the improvement of Risk Assessment and Risk Profiles.



Key Capabilities

From Risk Profiling – through Risk Assessment – and Risk Analysis – to Risk Evaluation: The system ensures the full cycle of important Risk Management processes and the result of each process supplements the next one.

Real-time comprehensive Risk Analysis: the core of the LaRA is optimized and tuned to generate Risk results in real time. A special mechanism is implemented to manage periods with high numbers of requests. They are stored in message queues while urgent requests are processed with priority.

Risk Rating: Systematically evaluate compliance rate of Risk subjects and determine particular Risk Rate based on information collected in the system for a certain period.

Dynamic configuration and customization: LaRA is designed as a highly flexible and open system with variety of parameters and options to configure and pre-set. Later, based on experience, they could be easily adjusted and tuned.

User-friendly dashboards with personalized views: The System has powerful reporting capabilities and gives instant visibility on ongoing processes and Risk results. Each user can customize their own views according to their responsibilities.

A Risk Analysis System with high added value

LaRA ensures the following benefits for customs administrations:

Extended automation of Risk Management processes;

Exceptions detected in real time and response is provided immediately to decrease damage;

Reduced time for Risk-related operations and control;

Improved effectiveness in addressing the Identified Risk;

Accelerated reporting and rapid (less subjective) decision-making at all management levels;

Facilitated analysis of data and information carried out by experts working on Risk;

Increased revenue collection;

Strengthened trade and border security, as well as increased visibility of operations;

Ensured compliance with the UCC requirements.

Advantages

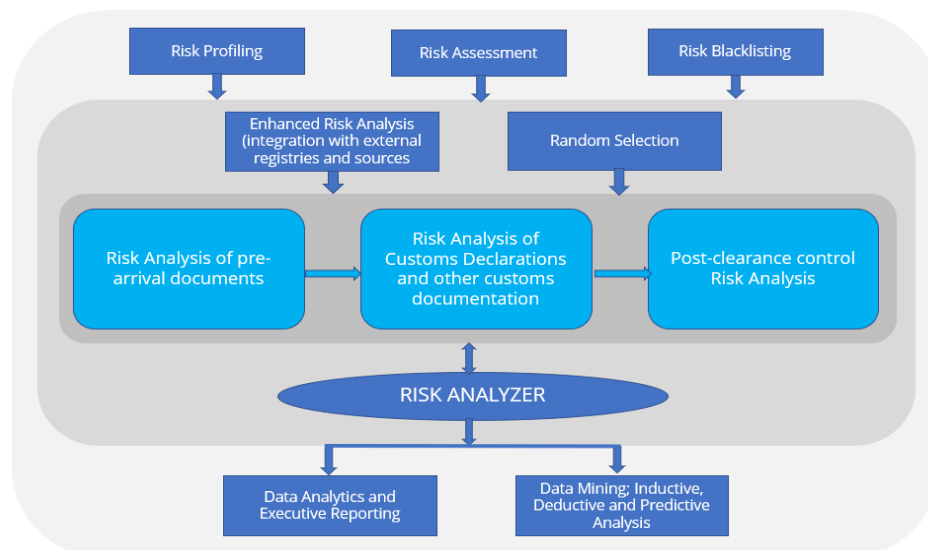
Proactive Risk Mgmt: ensured by implemented analytics, data mining and predictive analyses;

Visualization: friendly UI design to present complex Risk related information in a convenient and understandable way;

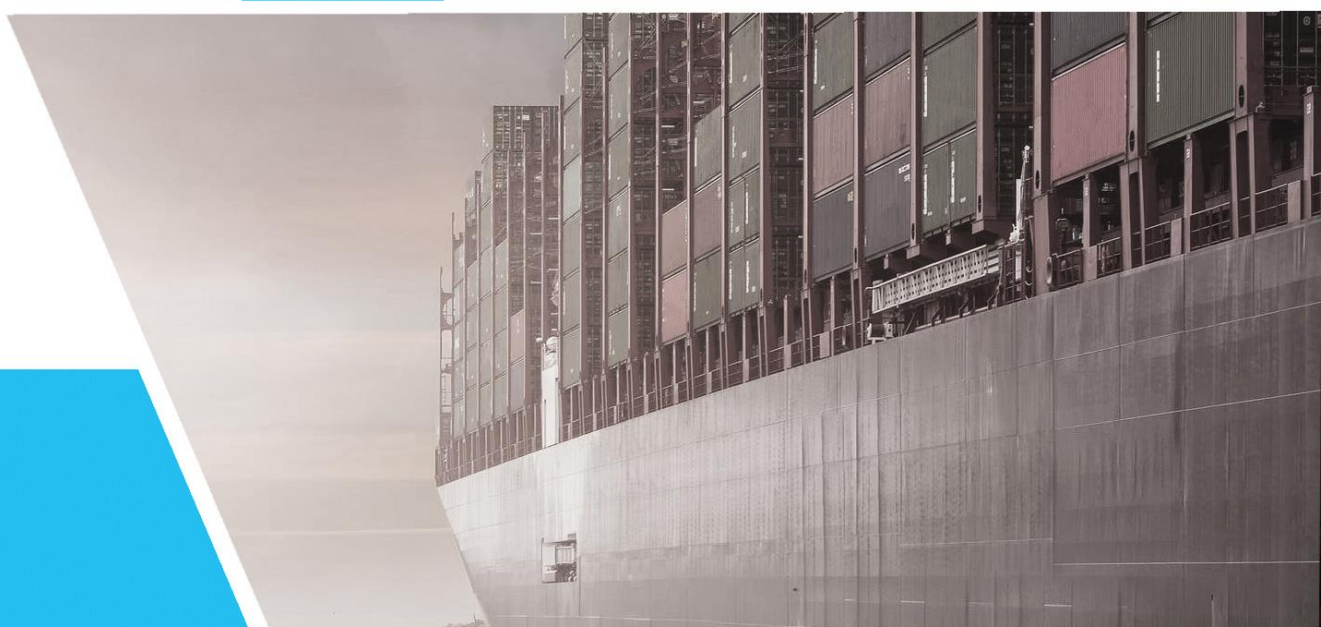
Access control: strict control realized through a system of roles and access rights;

Compatibility: The System is a modular System with a practical and easy integration with any existing 3rd party systems or information platform;

Flexibility: Implementation through an individualized approach.



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development