



CASPIAN CONTAINER COMPANY



Greater Caspian
ASSOCIATION



Freight Automation in the
Greater Caspian Region –
Redefining Logistics through
AI and IT

Geneva, Switzerland





The Greater Caspian Region



640+

Million people



8,4

Trillion USD



10+

Million km²



110+

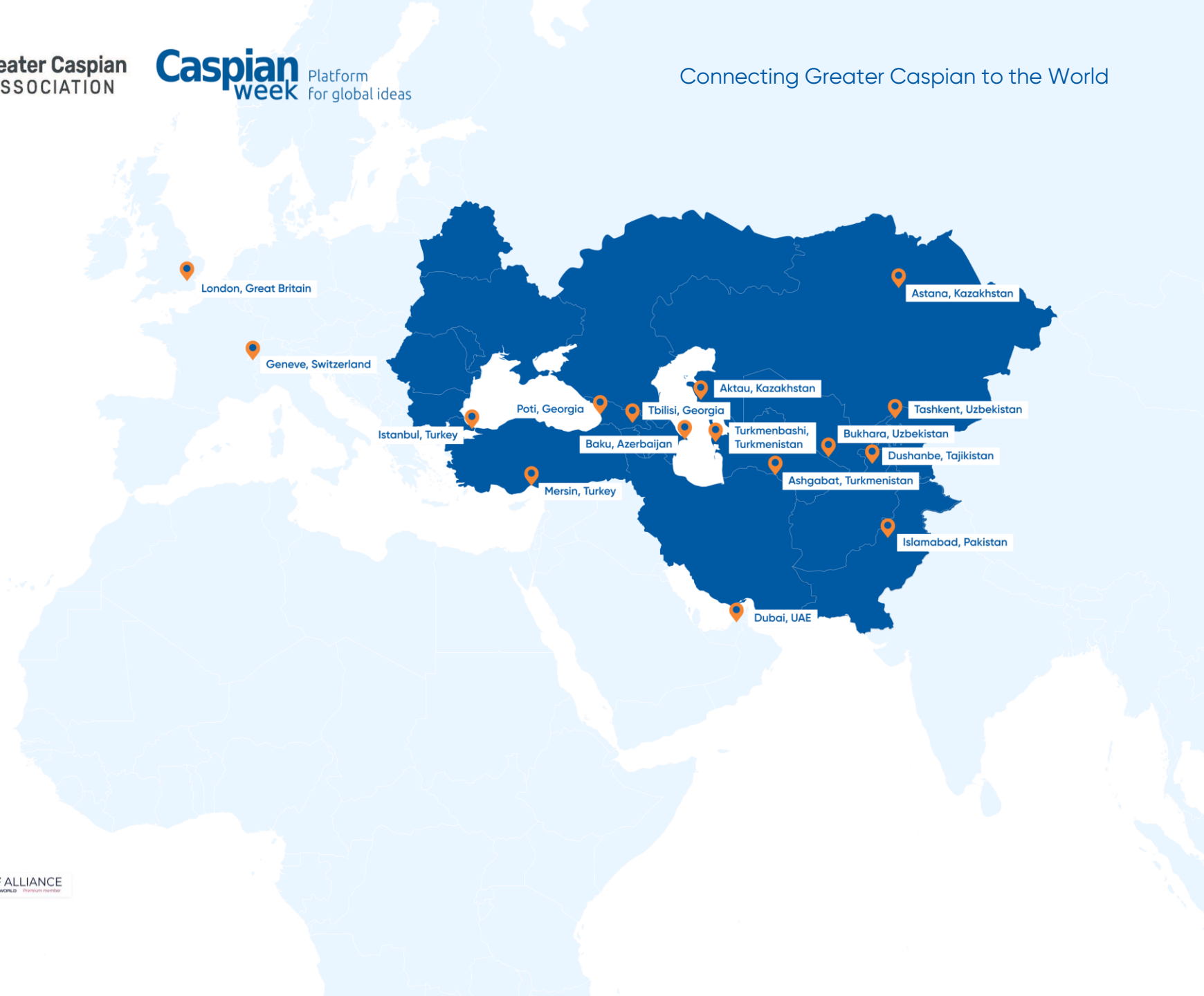
Million Tons of Breakbulk cargo
and 500,000+ TEU's



About us

With over CHF 1.5 billion annual turnover and a network of offices across 12 countries, Integral Group is the Greater Caspian (Black & Caspian sea) region's leading commodities trading company.

Caspian Container Company is the logistics arm of Integral Group and operates across the Greater Caspian Region.



100+

specialists





Current Situation

- Time consuming manual input of documents into a computer system
- Paper documents issued
- Several types of field completion, handwritten and/or printed
- Various languages that are subject to human interpretation and translation
- Poor document quality (stamps, signatures, field overlap, etc.)
- Work time for an operator in a logistics company c. 1 hour, at every stage of the journey for every shipment

As is

01. Paper document
02. Manual translation
03. Manual input
04. Document saved

 **Total time: 1 hour**



Solution – Use of Artificial Intelligence (AI)

- Scan for automated recognition and translation
- File saved automatically
- Visibility for everyone involved in the process
- Saving time at every stage of the journey for every shipment = Reducing Costs
- More efficient and accurate = Less delays and improved transit times
- Work time for an operator in a logistics company c. 1 minute

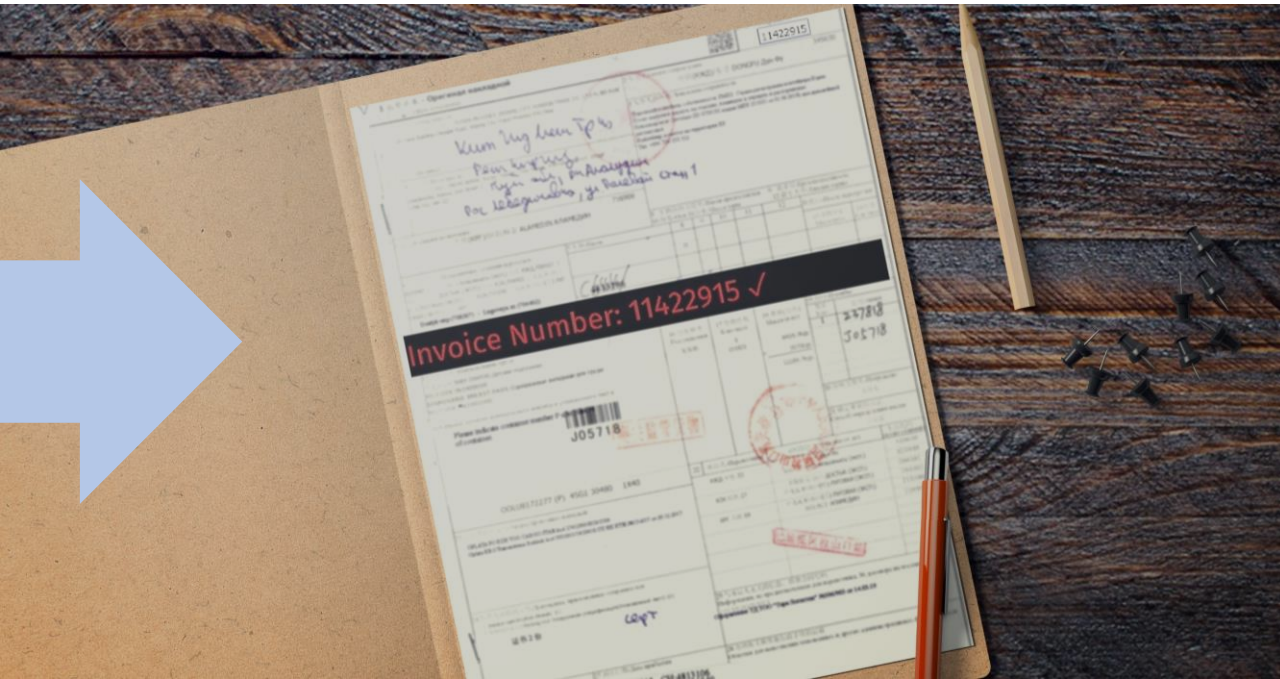
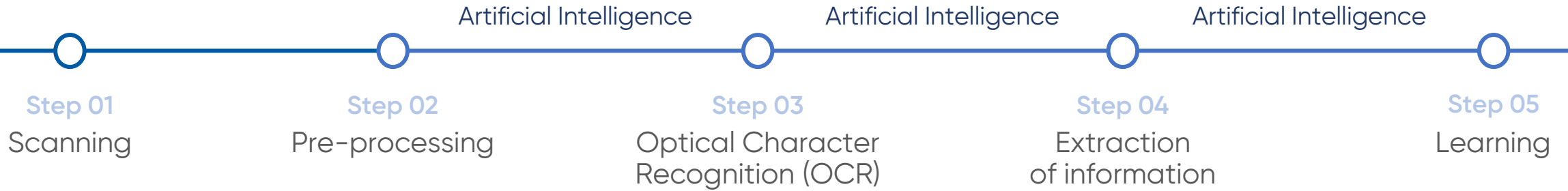
To be

01. Paper document
02. Scanning
03. Input of scanned copy
04. Automated recognition and translation
05. Document saved automatically

 **Total time: 1 minute**



Process illustration

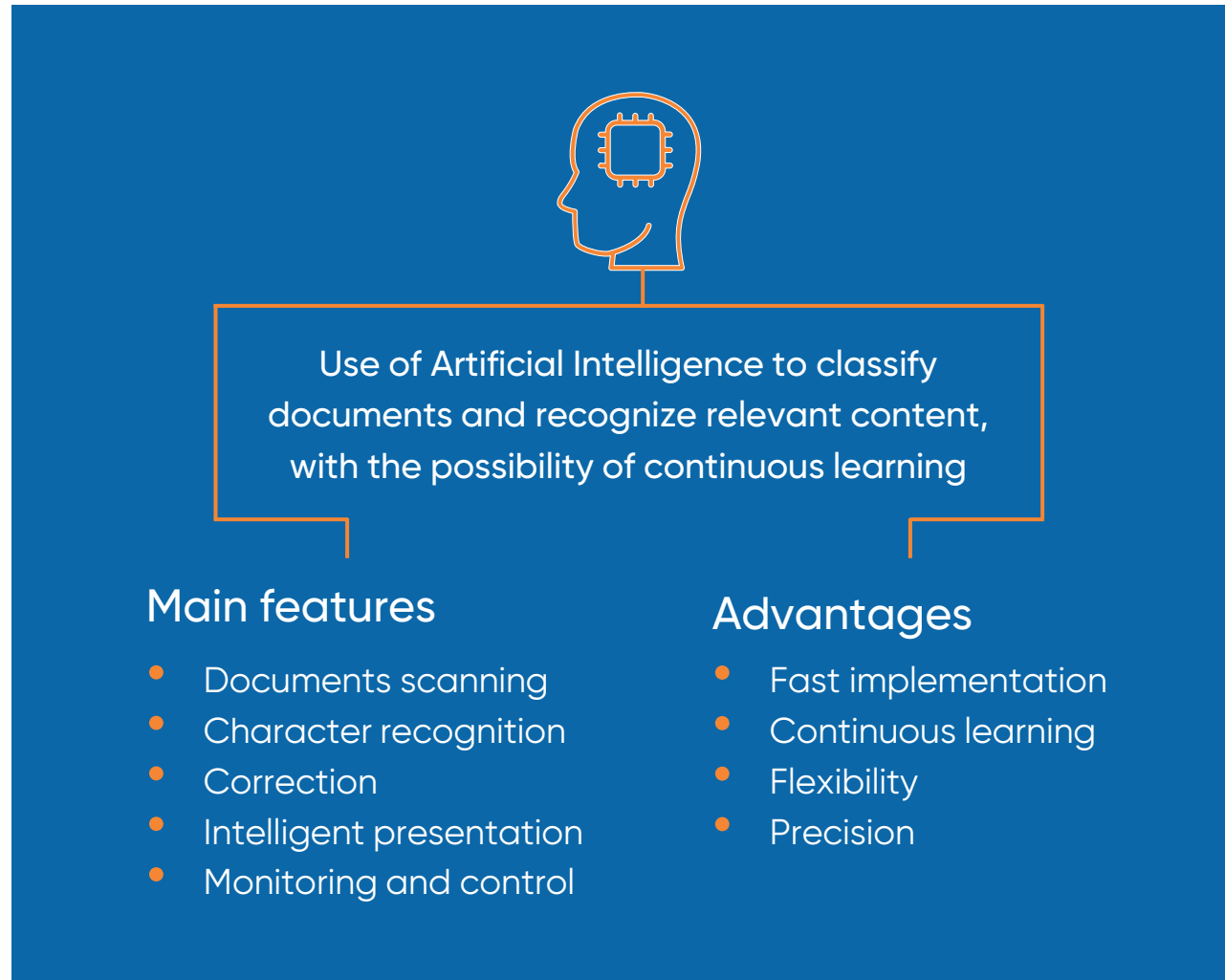


Automating manual document processing

As is

01. Paper document
02. Manual translation
03. Manual input
04. Invoice saved

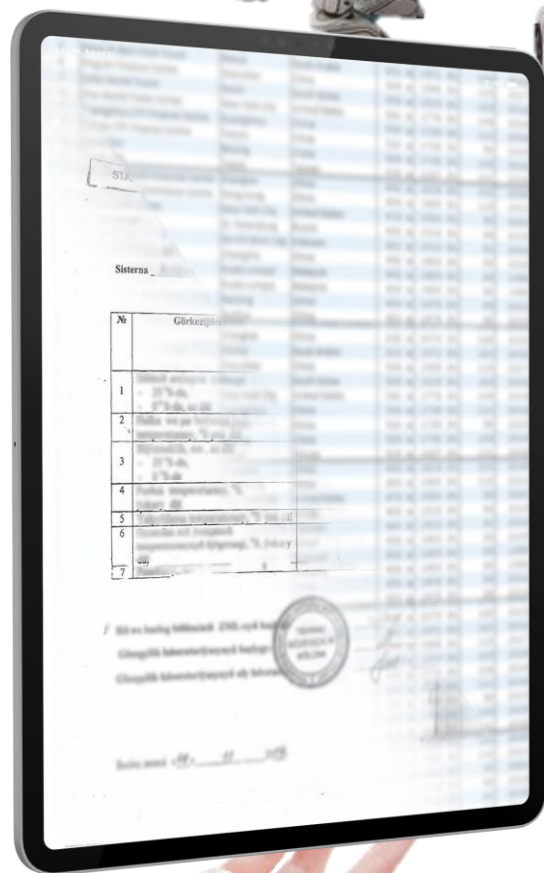
🕒 **Total time: 1 hour**



To be

01. Paper invoice
02. Scanning
03. Input of scanned copy
04. Automated recognition and translation
05. Invoice saved automatically

🕒 **Total time: 1 min**



Data input

Web recognition from/to 29 languages



Documents quality

The solution will retrieve the contents of the fields even if they are of low quality with 96% accuracy



Learning

The solution allows to correct values if they have been mistakenly recognized



Intelligent extraction

The solution allows to get the result even if the value of a field is only partially readable



Fleet Optimization Tool

- Calculation Algorithm developed by Integral Group in partnership with world class IT professionals and Scientists who specialize in optimization theories
- Boosted productivity by approximately 2000% as it works at push of a button to calculate millions of transportation scenarios
- Has resulted in savings of USD 10mln through fuel consumption, efficient routing, etc.
- Highly effective in times of contingencies
- Can be adopted to other industries
- Ultimately positive contribution to Sustainable Development Goals



Commodities Marketplace

One-stop-shop to find information on global commodities and trade:

- ✓ Matching buyers (including end users), sellers (including producers) and service providers
- ✓ Contract negotiation and execution
- ✓ Related services such as logistics, inspection, financing, etc.
- ✓ Performance related services such as escrow, payment guarantee, etc.
- ✓ Trade optimization tools such as portfolio management, sales management, inventory management, etc.



Commodities Marketplace

- Benefits to Buyers:
 - ✓ Widest range of producers, suppliers and commodities
 - ✓ Competitive prices due to disintermediation
 - ✓ Flexible delivery terms
 - ✓ Network of vetted service providers
 - ✓ Buy direct and in smaller quantities because LCL and FCL quantities can be delivered door-to-door
 - ✓ Verified counterparts, data and documents
 - ✓ Multiple payment options and flexible payment terms
 - ✓ Simple online enquiry, quotation, negotiation, order and tracking process
 - ✓ Samples and 24/7 technical support with the option of a dedicated account manager
- Benefits to Sellers:
 - ✓ Widest range of global buyers
 - ✓ Potential for higher prices due to disintermediation
 - ✓ Flexible delivery terms
 - ✓ Network of vetted service providers
 - ✓ Sell direct and in smaller quantities because LCL and FCL quantities can be delivered door-to-door
 - ✓ Verified counterparts, data and documents
 - ✓ Simple online quotation, negotiation, order and contract execution management
 - ✓ Possibility to offer samples and 24/7 technical support, complimented by an account manager

It's time to be partners

Thank you

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