



ARTIFICIAL INTELLIGENCE & CUSTOMS TARIFF

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PRODUCT OWNER MACHINE LEARNING

ICLA, PORTO, PT
04.09.25



CUSTOMS TARIFF CODE: WHY DO WE NEED IT?

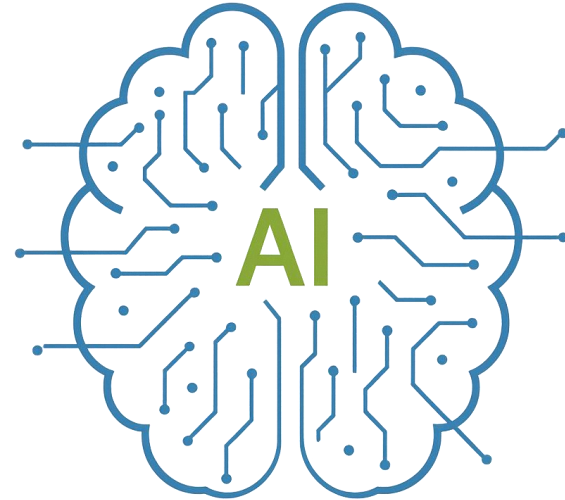
Customs Tariff is a tax imposed on goods when they are imported or exported, applied by customs authorities to regulate trade and generate revenue.

Purpose:

- **Legal Basis** – Provides official duty rates for declarations.
- **Classification** – Links HS codes to correct duties.
- **Compliance** – Avoids fines and shipment delays.
- **Risk Control** – Flags restricted or sensitive goods.
- **Trade Preferences** – Identifies duty reductions under agreements.
- **Clarity** – Ensures transparent, predictable procedures.

Customs Tariff Code is a standardized code used to classify goods in international trade.

- **Tariff number classification**
- **Tariff number generation**
- **Customs description generation**
- **Document code definition**



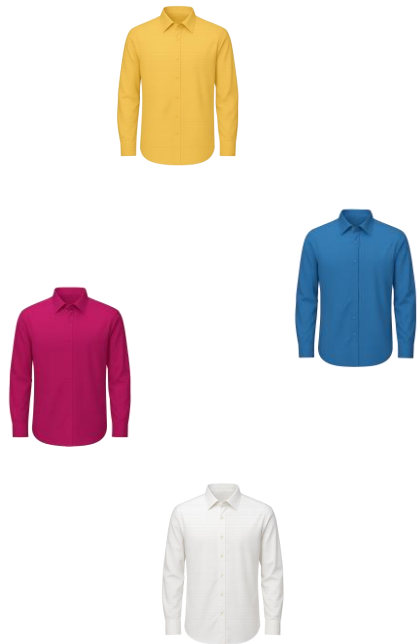


TARIFF NUMBER CLASSIFICATION



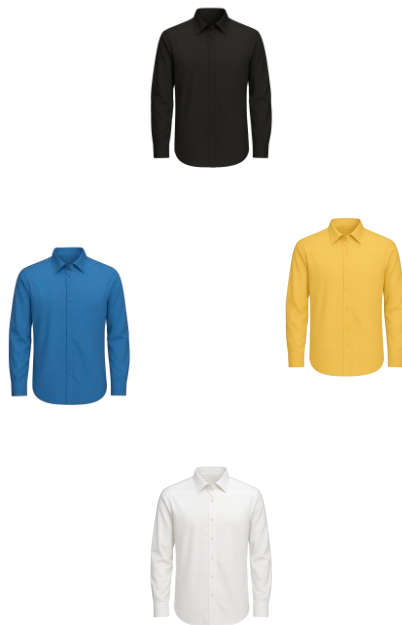
TARIFF NUMBER CLASSIFICATION: DATA

Male shirt



62052000

Female shirt



62063000

Porcelain cup



69111000

TARIFF NUMBER CLASSIFICATION: DATA

- **Name: shirt**
- **Gender: male**
- **Material: woven cotton**
- **Color: white**



62052000

- **Name: shirt**
- **Gender: female**
- **Material: woven cotton**
- **Color: yellow**



62063000

- **Name: cup**
- **Gender: none**
- **Material: porcelain**
- **Color: white**



69111000

TARIFF NUMBER CLASSIFICATION: TRAINING

- Name: shirt
- Gender: male
- Material: woven cotton
- Color: white



62052000

- Name: shirt
- Gender: female
- Material: woven cotton
- Color: yellow



62063000

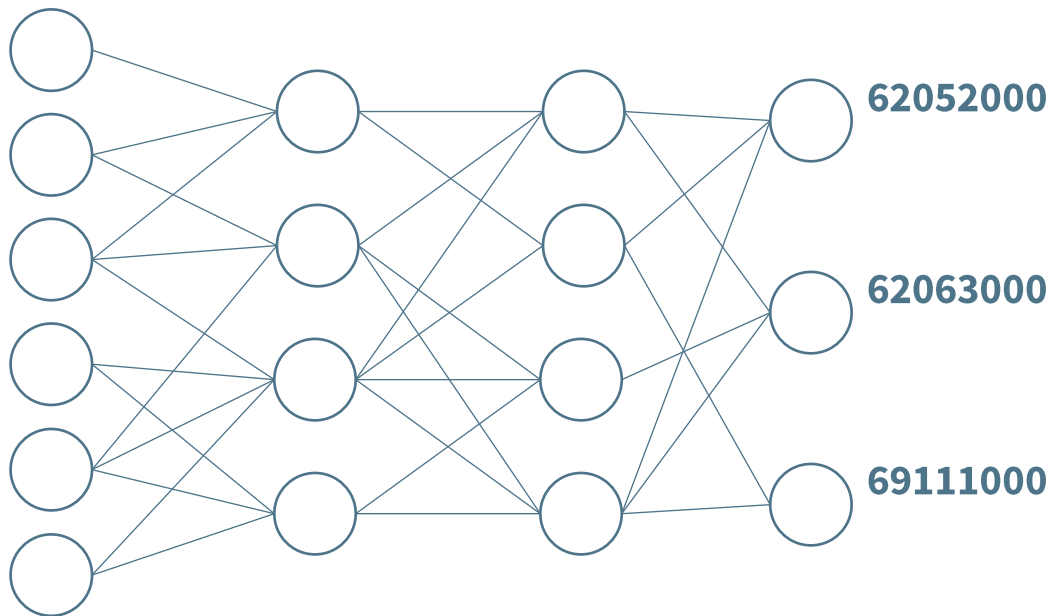
- Name: cup
- Gender: none
- Material: porcelain
- Color: white



69111000

TARIFF NUMBER CLASSIFICATION: PREDICTION

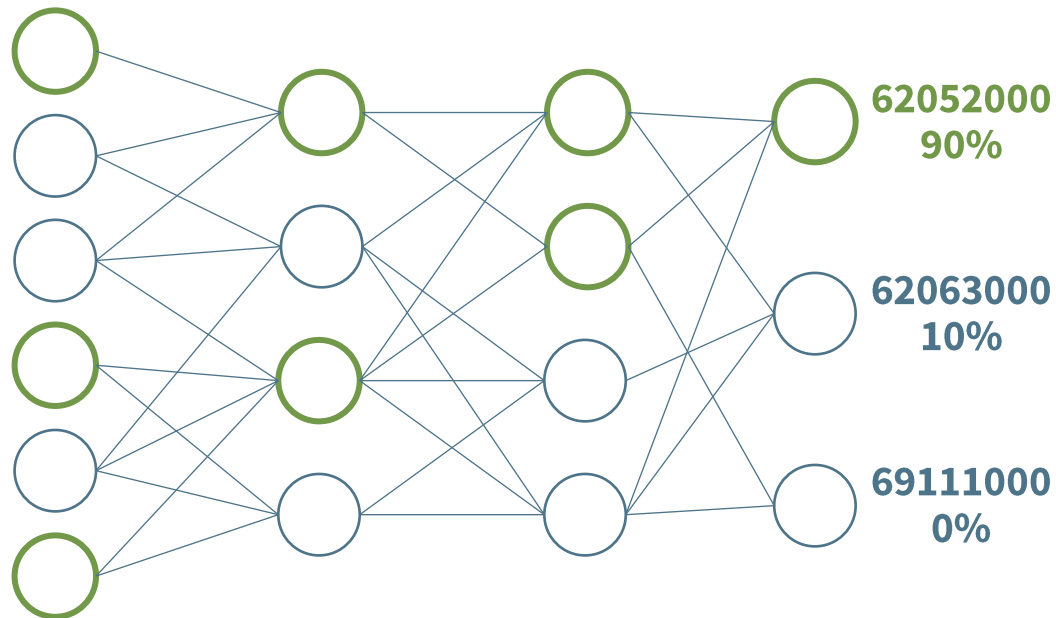
- **Name: shirt**
- **Gender: male**
- **Material: woven cotton**
- **Color: white**
- **Size: 44**



Classification Neuronal Network

TARIFF NUMBER CLASSIFICATION: PREDICTION

- Name: shirt
- Gender: male
- Material: woven cotton
- Color: white
- Size: 44



Classification Neuronal Network



DEMO

TARIFF NUMBER CLASSIFICATION: DEMO



miC

AI CLASSIFIER

Home

Goods Overview

Mapping Rules

Goods Overview

Goods Name Filter 🔍 Classify Approve Bulk Change Add to wishlist ✎ 🗑 🔄 📄 📱 1 - 1 of 1 < >

Goods Name = Shirt-1727096673 ✕ 🔍 Clear all filters

	Goods Name	Goods Group	Description	Tariff Number	Worklistname	Status
☐				62034231000 Some special character ≥ to be displayed DE IMPORT		⚠ OPEN
☐	 Shirt-1727096673-14	2-2-G-1-04	Jeans slim fit			

1 - 1 of 1 < >

04.09.2025

11

TARIFF NUMBER CLASSIFICATION: SUMMARY

- Provides very high results
- Uses reliable historical data
- Reduced human error rate
- Classification speed is neglectable
- Seamless integration and maintenance

▼ DE IMPORT | ⚠ CLASSIFIED | 62034231000

Tariff Number	AI Score
☒ 62034231000	99%
☐ 62034290000	0%
☐ 62034233000	0%
☐ 61103099000	0%
☐ 61102099000	0%

[Add](#)

Suggested By AI Top1 (%)

3

93.39

+1.7%



Suggested By AI Top2 (%)

3

98.21

+0.5%



Suggested By AI (%)

3

99.67

+0.0%





TARIFF NUMBER GENERATION



- **Name: shirt**
- **Gender: male**
- **Material: cotton**
- **Color: white**
- **Size: 44**



Copilot

Name: shirt, Gender: male, Material: cotton, Color: white, Size: 44

Thinking ...

Apply the classification rules by searching in:

- **Tariff Headings**
- **Tariff Subheadings**
- **Explanatory Notes**
- **BTIs**

- **Name: shirt**
- **Gender: male**
- **Material: cotton**
- **Color: white**
- **Size: 44**



Copilot

Name: shirt, Gender: male, Material: cotton, Color: white, Size: 44

Thought about it for 28 seconds >

Characteristics assumed by Copilot

Gender
male

Material
cotton

Color
white

Size must be between <1> and <2>
44

Missing characteristics

Construction method
Choose or Type ...

Choose or Type ...

woven

knitted or crocheted

the shirt is woven or knitted/crocheted. If woven, it would classify under heading 6205. If knitted or crocheted, it would classify under heading 6105. This critical construction method

Tariff Headings:

- **6205**
- **6105**

Missing information:

Construction method

Is the cotton knitted or woven?

- **Name: shirt**
- **Gender: male**
- **Material: woven cotton**
- **Color: white**
- **Size: 44**



62052000

Copilot

Name: shirt, Gender: male, Material: cotton, Color: white, Size: 44

Thought about it for 34 seconds >

Characteristics assumed by Copilot

Gender

male

Material

cotton

Color

white

Size must be between <1> and <2>

44

Construction method

woven

Classification Result

Result

6205 2000 900

Tariff Headings:

- **6205**

Tariff Subheadings:

- **6205 2000**
- **6205 9010**
- **6205 9080**

- **Name: shirt**
- **Gender: male**
- **Material: woven cotton**
- **Color: white**
- **Size: 44**



Copilot

Name: shirt, Gender: male, Material: cotton, Color: white, Size: 44

Thought about it for 34 seconds >

Size must be between <1> and <2>
44

Construction method
woven

▼ Classification Result

Result
6205 2000 900

Justification
Based on the product description of a men's cotton shirt, this falls under heading 6205 which covers "shirts for men or boys". The product is made of cotton, which directs us to subheading 6205 20. Since there is no indication that the shirt is hand-printed using the batik process (which would classify it under 6205 2000 100), it falls under the general cotton category 6205 2000 900 "shirts for men or boys of cotton, other".

▼ GRI 1 - Basic Rule: Classify by Heading & Legal Notes
GRI1 is applied. The product 'men's cotton shirt non-knitted' falls clearly under heading 6205 'Hemden für Männer oder Knaben' (Men's or boys' shirts). The heading terms specifically describe the product without ambiguity.

Determine the important characteristics for classification

Define the valid classification rules

Help the audit purposes



DEMO

CUSTOMS TARIFF GENERATION: DEMO

miC | CUSTOMS TARIFF

DE IMPORT

Home

Tariff Search

Tariff Search

DE IMPORT

Search ...

2025-08-29

Code

Description

> 01 LEBENDE TIERE

> 02 FLEISCH UND GIESSBARE SCHLACHTNEBENERZEUGNISSE

> 03 FISCHE UND KREBSTERE, WEICHTIERE UND ANDERE WIRBELLOSE WASSERTIERE

> 04 MILCH UND MILCHERZEUGNISSE: VOGELIER: NATÜRLICHER HONIG: GIESSBARE WAREN TIERISCHEN URSPRUNGS, ANDERWEIT WEDER GENANNT NOCH INBEGRIFFEN

> 05 ANDERE WAREN TIERISCHEN URSPRUNGS, ANDERWEIT WEDER GENANNT NOCH INBEGRIFFEN

> 06 LEBENDE PFLANZEN UND WAREN DES BLUMENHANDELS

> 07 GEMÜSE, PFLANZEN, WURZELN UND KNOLLEN, DIE ZU ERNÄHRUNGSZWECKEN VERWENDET WERDEN

> 08 GIESSBARE FRÜCHTE UND NÜSSE: SCHALEN VON ZITRUSFRÜCHTEN ODER VON MELONEN

> 09 KAFFEE, TEE, MATE UND GEWÜRZE

> 10 GETREIDE

> 11 MÜLLEREIERZEUGNISSE: MALZ: STÄRKE: INULIN: KLEBER VON WEIZEN

> 12 ÖLSAMEN UND ÖLHALTIGE FRÜCHTE: VERSCHIEDENE SAMEN UND FRÜCHTE: PFLANZEN ZUM GEWERBE- ODER HEILGEBRAUCH: STROH UND FUTTER

> 13 SCHELLACK: GUMMEN, HARZE UND ANDERE PFLANZENSÄFTE UND PFLANZENAUZÜGE

> 14 FLECHTSTOFFE UND ANDERE WAREN PFLANZLICHEN URSPRUNGS, ANDERWEIT WEDER GENANNT NOCH INBEGRIFFEN

> 15 TIERISCHE, PFLANZLICHE ODER MIKROBIELLE FETTE UND ÖLE UND ERZEUGNISSE IHRER SPALTUNG: GIESSBARE VERARBEITETE FETTE: WACHSE TIERISCHEN ODER PFLANZLICHEN URSPRUNGS

> 16 ZUBEREITUNGEN VON FLEISCH, FISCHEN, KREBSTERE, WEICHTIERE, ANDEREN WIRBELLOSE WASSERTIERE ODER VON INSEKTEN

> 17 ZUCKER UND ZUCKERWAREN

> 18 KAKAO UND ZUBEREITUNGEN AUS KAKAO

> 19 ZUBEREITUNGEN AUS GETREIDE, MEHL, STÄRKE ODER MILCH: BACKWAREN

> 20 ZUBEREITUNGEN VON GEMÜSE, FRÜCHTEN, NÜSSEN ODER ANDEREN PFLANZENTEILEN

> 21 VERSCHIEDENE LEBENSMITTELZUBEREITUNGEN

> 22 GETRÄNKE, ALKOHOLHALTIGE FLÜSSIGKEITEN UND ESSIG

> 23 RÜCKSTÄNDE UND ABFÄLLE DER LEBENSMITTELINDUSTRIE: ZUBEREITETES FUTTER

> 24 TABAK UND VERARBEITETE TABAKERSATZSTOFFE: ERZEUGNISSE, AUCH NIKOTINHALTIG, DIE ZUR INHALATION OHNE VERBRENNUNG BESTIMMT SIND; ANDERE

Copilot

Send a message to the Tariff Copilot

- **Human-oriented way of working**
- **Reliability on the state-of-the-art data**
- **Involves the human expertise**
- **Provides the reasoning for the audit purposes**
- **Supports various information sources**

The background image is a composite. The top half shows a city skyline at sunset or sunrise, with a large body of water in the foreground and a plane flying over it. The bottom half shows a detailed, futuristic cityscape built on a green circuit board, with various electronic components and glowing green lines representing data or energy flow.

CUSTOMS DESCRIPTION GENERATION & DOCUMENT CODE CLASSIFICATION

- **Name: shirt**
- **Gender: male**
- **Material: woven cotton**
- **Color: white**
- **Size: 44**
- **Tariff code: 62052000**



Tariff for 62052000:

- **62:** Garments and clothing accessories, not made of knitted or crocheted fabrics
- **6205:** Shirts for men or boys [TN701]
- **6205 20:** from cotton

Customs description:

ENG: Men's cotton shirt, woven

POR: Camisa de homem em algodão, tecido

SPA: Camisa de hombre de algodón, tejido

...

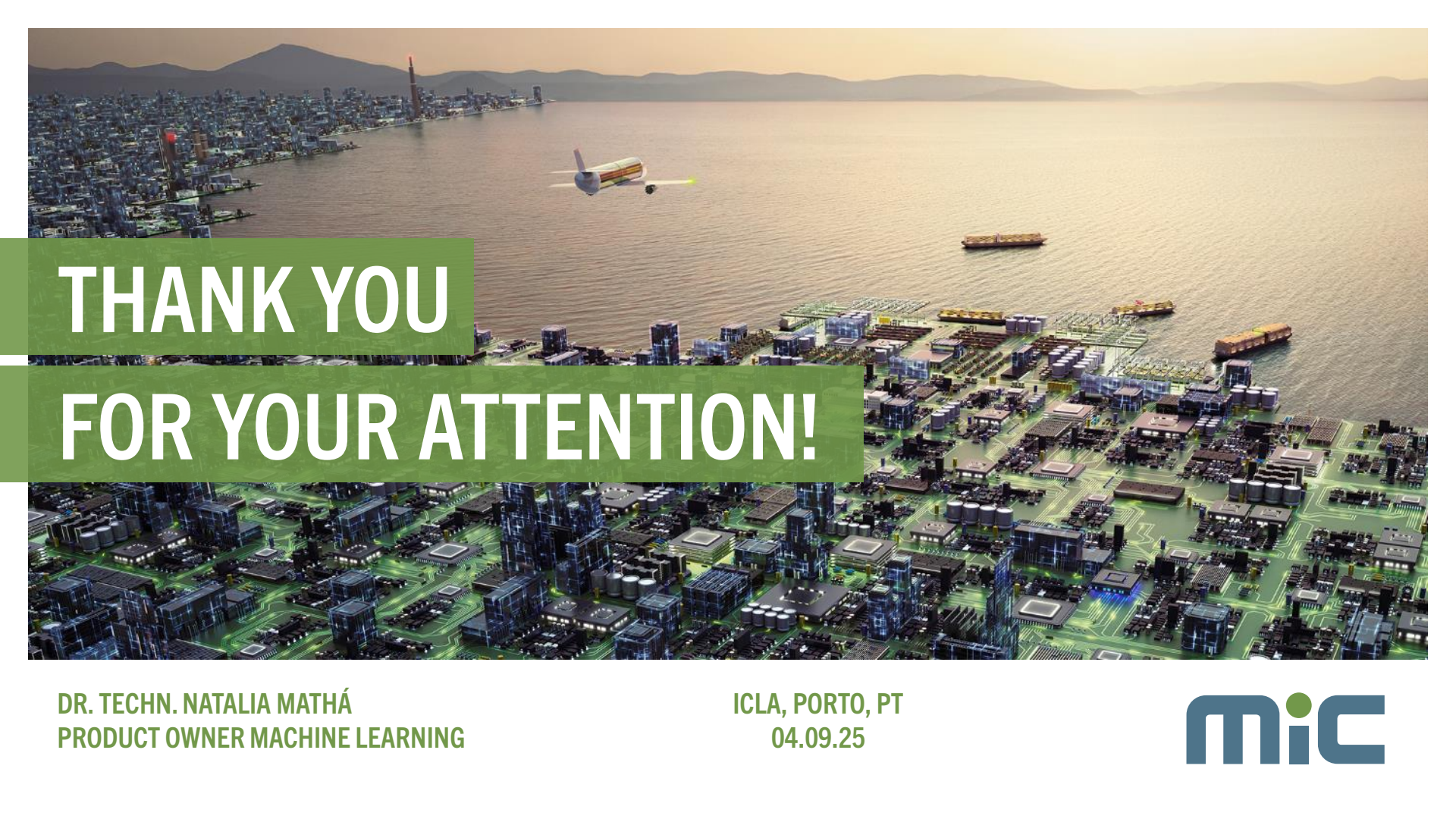
- **Uses both tariff and product information to comply with the customs rules**
- **Reduce the processing time**
- **Classification speed is minimal (~2-4s)**
- **Independent from the source language**
- **Can be extended with additional rules**

- **Name:** shirt
- **Gender:** male
- **Material:** cotton
- **Color:** white
- **Tariff code:** 62052000
- **Transaction:** Export from Germany



Document codes:

- **N380 - Commercial invoice**
- **N271 - Packing list**
- **N954 - EUR.1 movement certificate**

An aerial view of a city where the land is represented by a green circuit board with various electronic components like chips, capacitors, and resistors. The city buildings are integrated with these components. In the background, a body of water (the ocean) is visible, with a large cargo ship and a smaller boat. A small airplane is flying over the water. The sky is a hazy orange, suggesting a sunset or sunrise. A green banner with white text is overlaid on the left side of the image.

THANK YOU FOR YOUR ATTENTION!

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