




# Developments in the Examination of Industrial Designs in the Digital World

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[www.ipkey.eu](http://www.ipkey.eu)



## Key areas:

- 
- 1. Background - Design Filings in the EU**
  - 2. EUIPO Collaborative examination approach**
  - 3. Examination tools in use in EUIPO**
  - 4. Under development : AI and next generation tools**




KR06

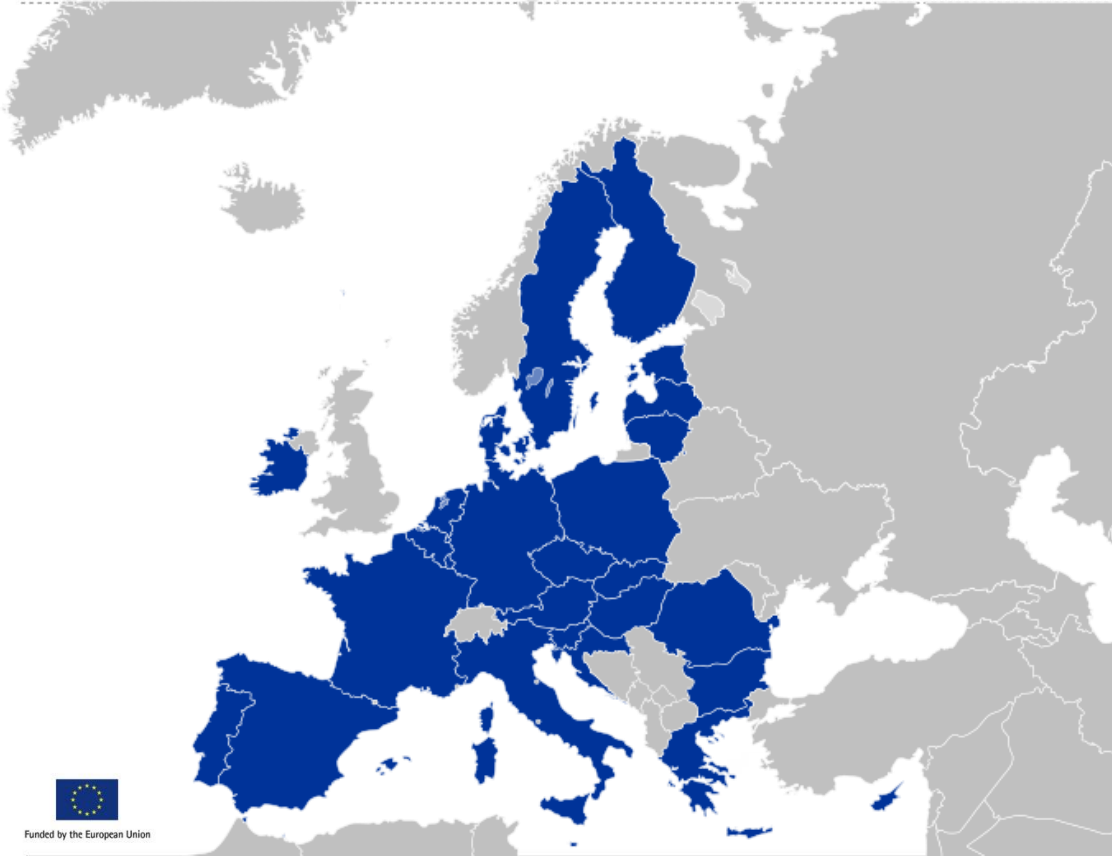
KLU WPX

**+ Employment**

**+ Revenue / Employee**

**+ Wages / Employee**

		Number of employees	Revenue per employee (EUR '000/year)	Wages per employee (EUR '000/year)
Non-IPR owners		5.1	148.6	29.8
IPR owners	Any IPRs	13.5	178.6	35.6
	% difference compared with non-owners	163.8%	20.2%	19.3%
	Patent owners	28.7	202.4	45.5
	% difference compared with non-owners	460.1%	36.3%	52.6%
	Trade mark owners	13.5	179.6	35.0
	% difference compared with non-owners	164.3%	20.9%	17.4%
 Design owners		29.1	196.3	38.7
	% difference compared with non-owners	467.9%	32.2%	29.7%



# VARIOUS FORMS OF PROTECTION



NATIONAL

REGIONAL

 EU

Registered

Unregistered

INTERNATIONAL

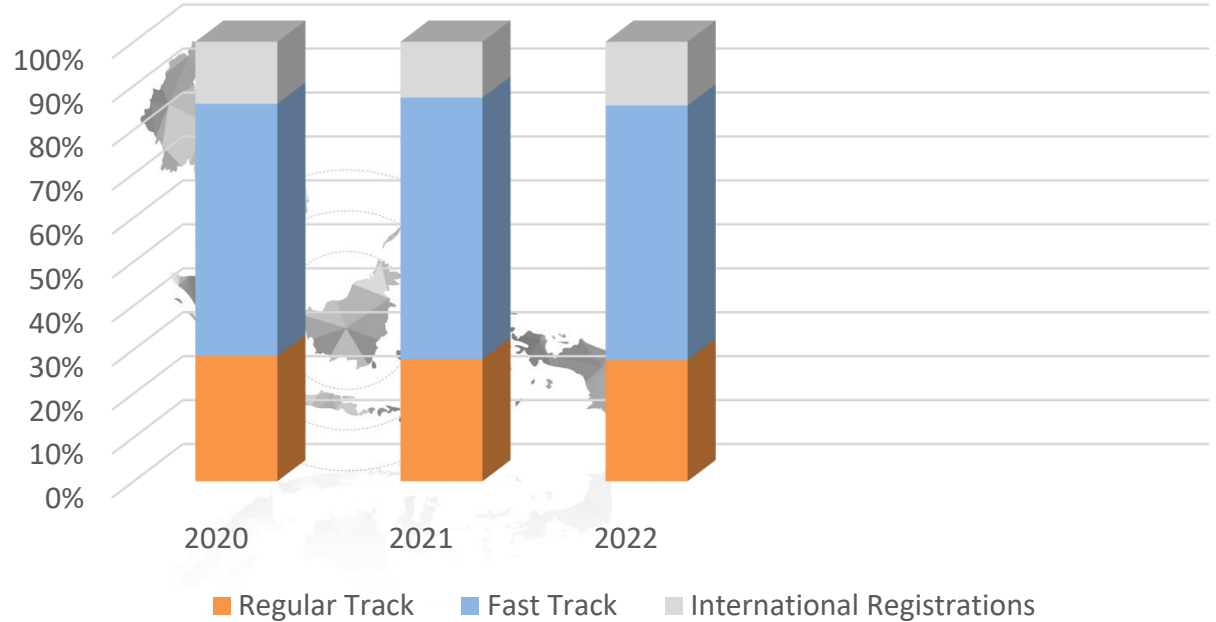
## Strategy

## EUIPO FILINGS (RCD & IRD)

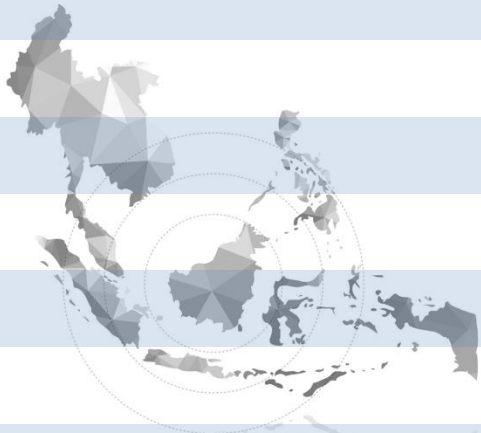
**2020: 114,239**

**2021: 114,650**

**2022: 106,715**



## Designs registered from SOUTH-EAST ASIA



Brunei Darussalam	14
Indonesia	84
Malaysia	312
Philippines	49
Singapore	2,317
Thailand	629
Viet Nam	186



# EU Registered Design filing route

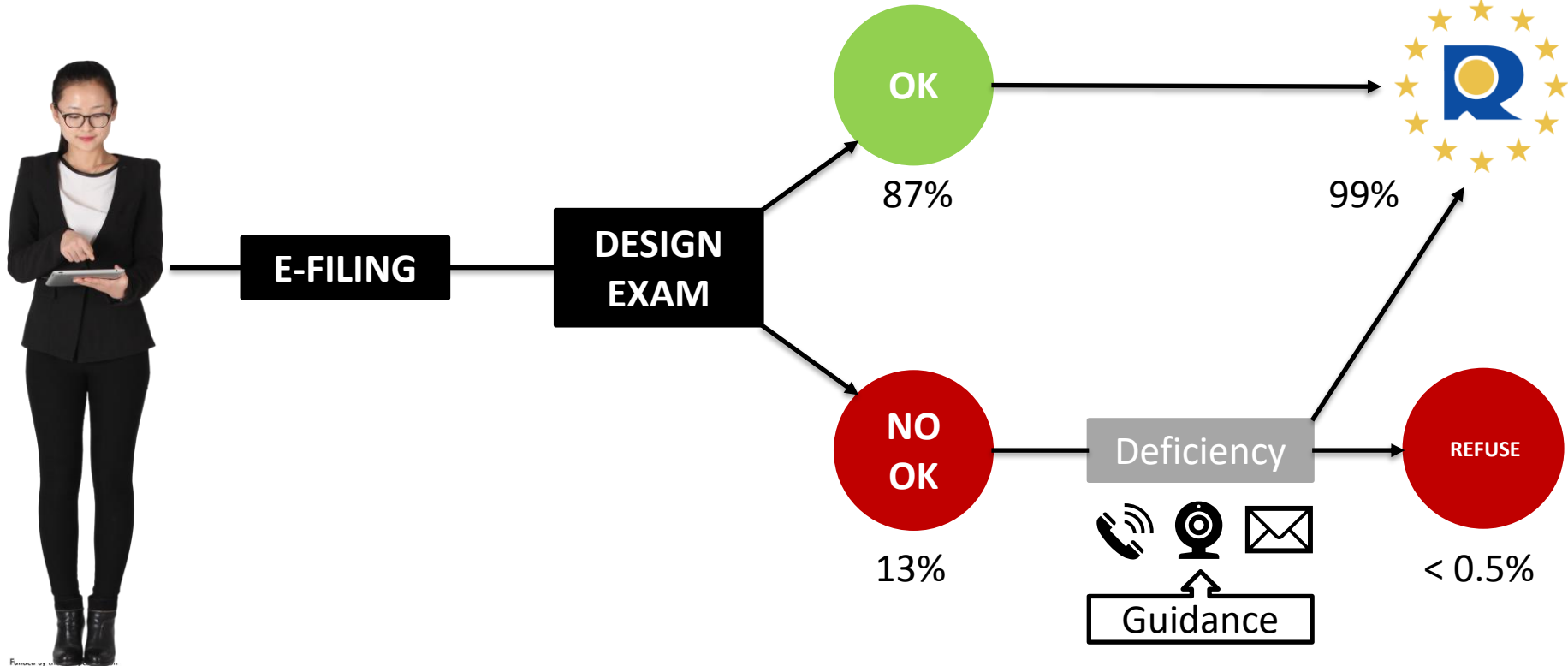


Photo by Shutterstock

# CUSTOMER SERVICE CHARTER - TIMELINESS



**FAST TRACK**

**< 2 working days**

**REGULAR TRACK**

**< 10 working days**

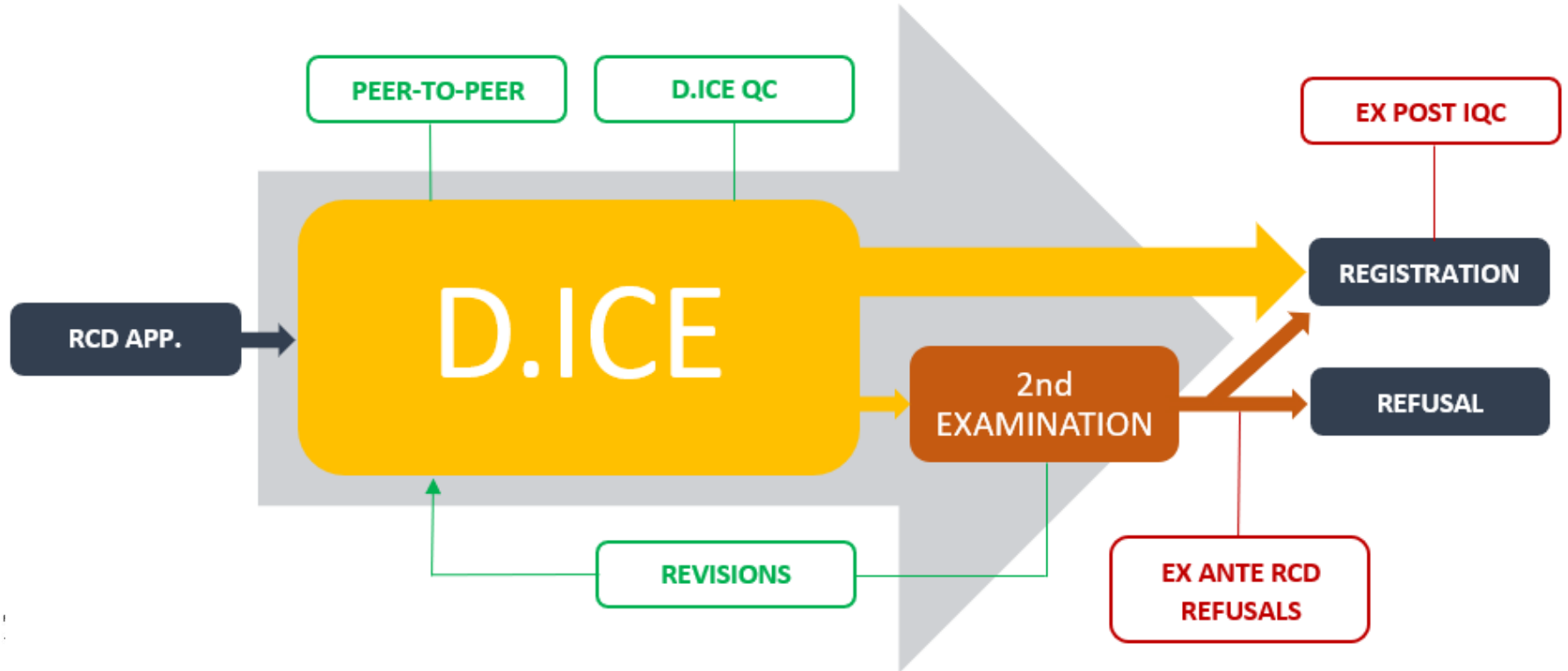


# COLLABORATIVE EXAMINATION





# D.ICE – Collaboration, Consistency & Quality





**QUALITY**

**CONSISTENCY**

**PRODUCT INDICATION**

**DESIGN DEFINITION**

**APPLICANT EEA**

**PUBLIC POLICY &  
MORALITY**

**FEEES**





**NOVELTY**

**INDIVIDUAL CHARACTER**



# WORKING IN A DIGITAL ENVIRONMENT



# IP Tool Ex-Parte Designs DIGITAL ENVIRONMENT ACHIEVEMENTS



# IP TOOL Ex-Parte - INBOX

The screenshot displays the IP TOOL Ex-Parte - INBOX interface. The search filter is set to 'RCDA'. The search results table is as follows:

Dossier ID	Dossil	Proc.	Milestone	Deno.	Legal	Mail N.	Docu.	Ip right	Ip righ	Reception Date	Hide	Decid.	Notif.	Filing	Board	LIT Co
015041496	RCDA	French...	Examination		Open	E0705...		01504...	GENERIC	17/11/2023	+					
015041536	RCDA	French...	Examination		Open	E0705...		01504...	GENERIC	17/11/2023	+					
015041495	RCDA	English...	Examination		Open	E0705...		01504...	GENERIC	17/11/2023	+					
015041535	RCDA	French...	Received		Open	E0705...		01504...	GENERIC	17/11/2023	+					
015041218	RCDA	Czech [...]	Examination		Open	E0705...		01504...	GENERIC	17/11/2023	+					
015041220	RCDA	English...	Examination		Open	E0705...		01504...	GENERIC	17/11/2023	+					
015041219	RCDA	Estoni...	Examination		Open	E0705...		01504...	GENERIC	17/11/2023	+					
015041534	RCDA	English...	Examination		Open	E0705...		01504...	GENERIC	17/11/2023	+					
015041396	RCDA	English...	Examination		Open	E0705...		01504...	GENERIC	17/11/2023	+					
015041522	RCDA	English...	Examination		Open	E0705...		01504...	GENERIC	17/11/2023	+					



# Pending Applications for Examination

Examination Tool kellyea

## RCD DICE

### Filters

No Fast Track

Customer Segment Date

All Segments   Clear

	CS	DA	DE	EN	ET	FR	HU	NL	PL	RO	SV	ALL	Total per date	Task(s) to be allocated
<input checked="" type="checkbox"/> Today	1			3				1					5	
<b>Total</b> <input checked="" type="checkbox"/>	1			3				1					5	
RT 10 or more days ago				2									2	
RT 4 - 6 days ago								2					2	
RT <=3 days ago		2	10	123	1	14	1	6	1	2	1		161	
<b>Total Regular Track</b>	2	10	125	1	14	1	8	1	2	1			165	

# LET'S TRY IT!



### Examination Tool

cidalfo

#### Filters

Fast Track?  Yes  No

Customer Segment:  Date: From  To  Language:

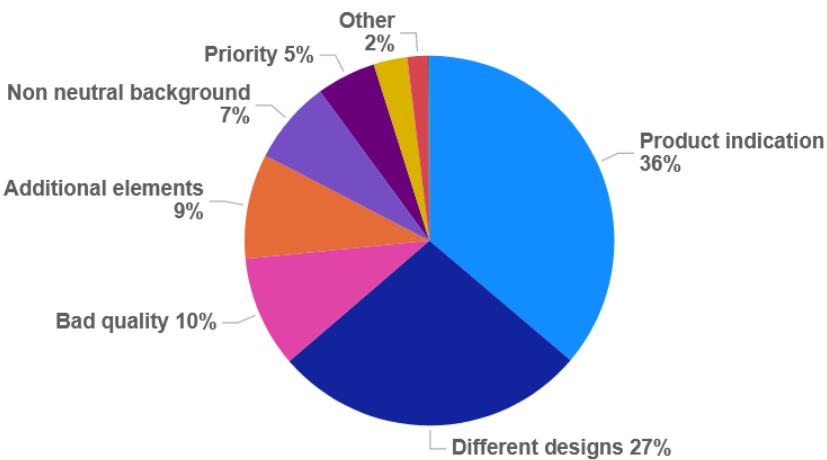
Showing 1 - 3 of 3 Entries  Records per page

<input type="checkbox"/>	RCDA N.	FastTrack	N. of designs	Deadline	Customer Segment	Reception date of RCDA	Language	Annotations
<input type="checkbox"/>	015041343		1	30/11/2023	Not classified	18/11/2023	English	
<input type="checkbox"/>	015041502		1	30/11/2023	Not classified	18/11/2023	English	
<input type="checkbox"/>	015042007		2	24/11/2023	Not classified	23/11/2023	English	

Showing 1 - 3 of 3 Entries

# STATISTICAL ANALYSIS OF DEFICIENCIES

## Deficiencies, at RCD level (from IP TOOL, not COR)

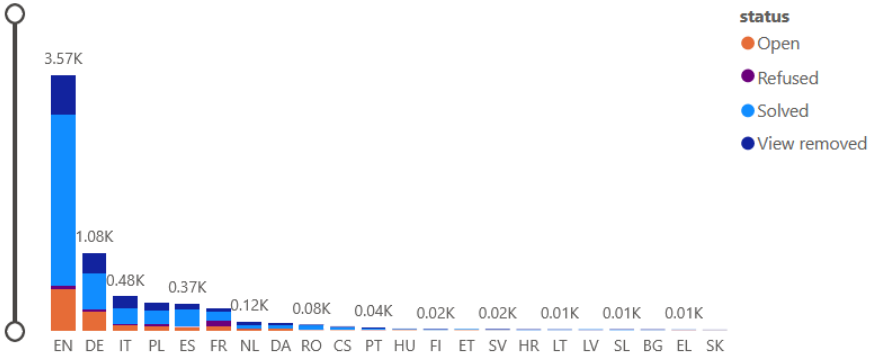


reception\_date

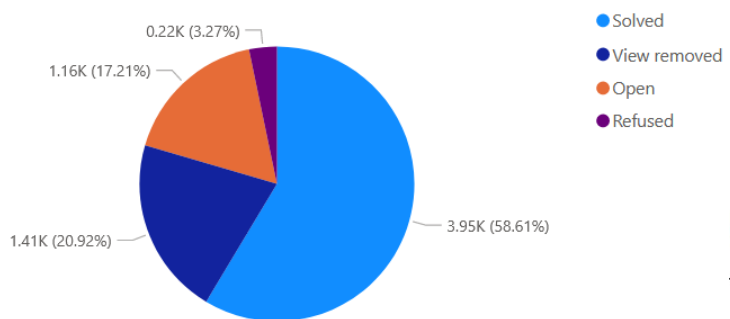
01/01/2023 20/10/2023

- Status
- Select all
  - Open
  - Refused
  - Solved
  - View removed

## Number of deficient designs (not RCDAs) per language and status



## Number of deficient designs (not RCDAs) per status



DESIGN EXAMINATION  
&  
IMAGE PROCESSING  
EFFICIENCY GAINS



D. ICE ROOM  
Work in pairs



GROUP  
DISCUSSION



Inbox / Deferred / Calls



D.ICE ROOM

4 h ( 8 x Examiners & 1 D.ICE Coordinator)



2ND EXAMINATION

3h



15 x Applications – 50% of time

3 x Deficiencies – 40% of time



# DEFFICIENCY TYPES



**NO NEUTRAL BACKGROUND**



**BAD QUALITY**



**ADDITIONAL ELEMENTS**

# DEFFICIENCY TYPES



DIFFERENT DESIGNS



**VIEW 1**



**VIEW 2**



**VIEW 1**



**VIEW 2**

**COLOUR MUST BE CONSISTENT IN EVERY VIEW**



# AI TO DETECT DEFICIENCIES

## Working together with the Examiner



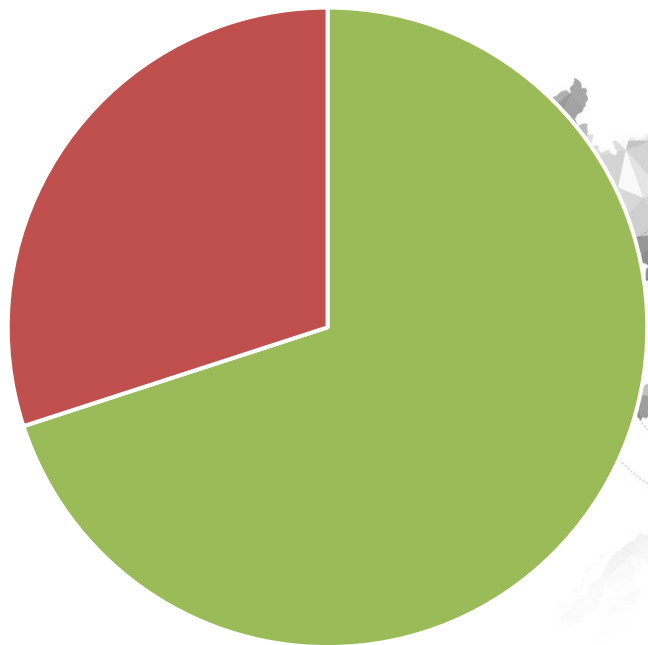
# BUILDING UPON AI IMAGE RECOGNITION



Process &  
Deficiency  
Detected

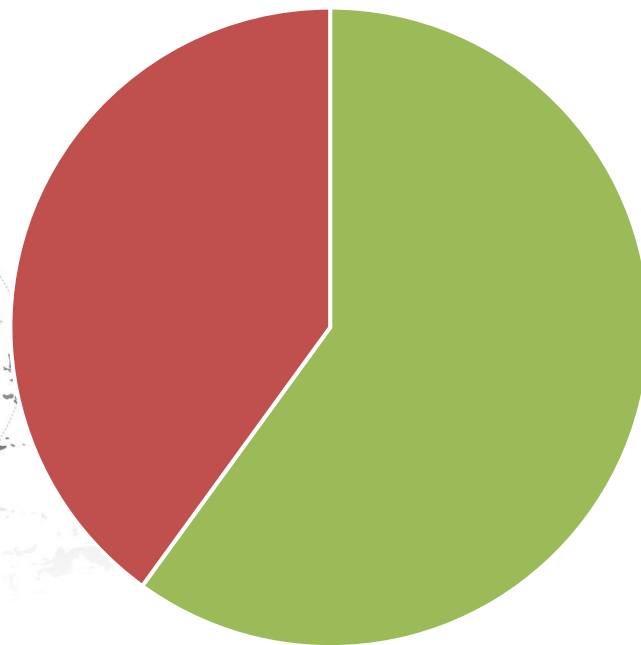
Type: Graphic  
Representation

## Expert Testing Results



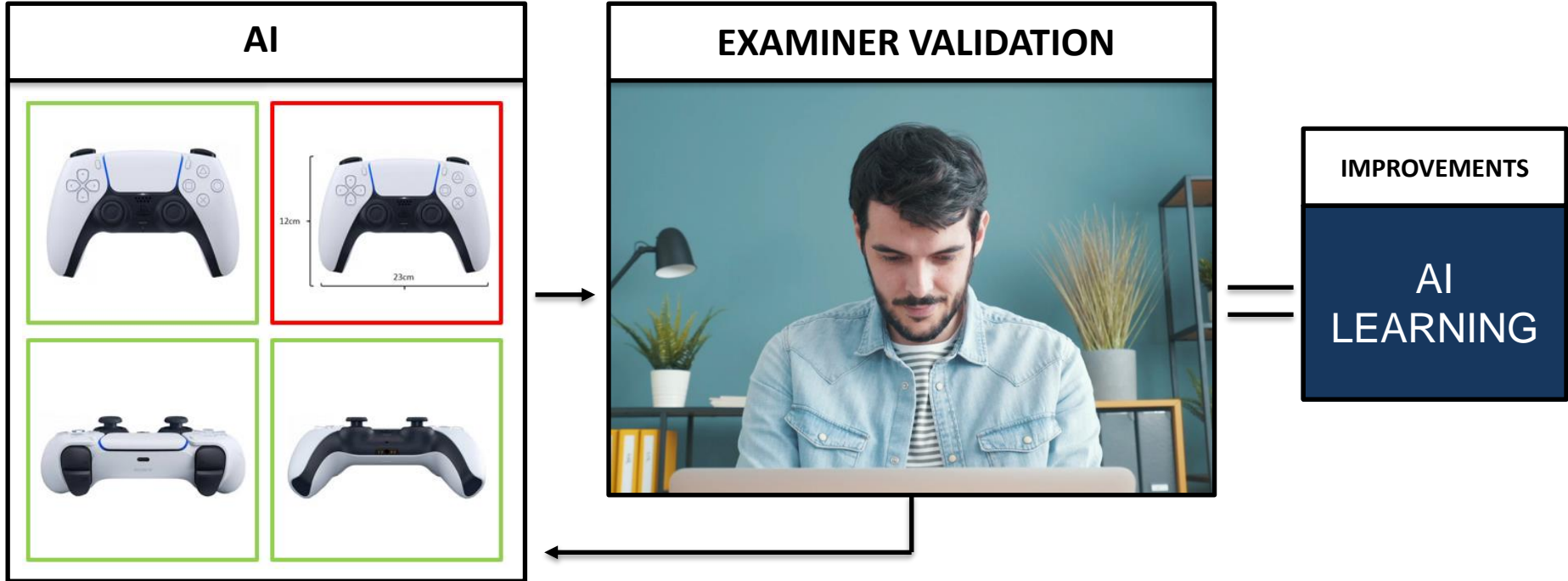
■ OK ■ NOT OK

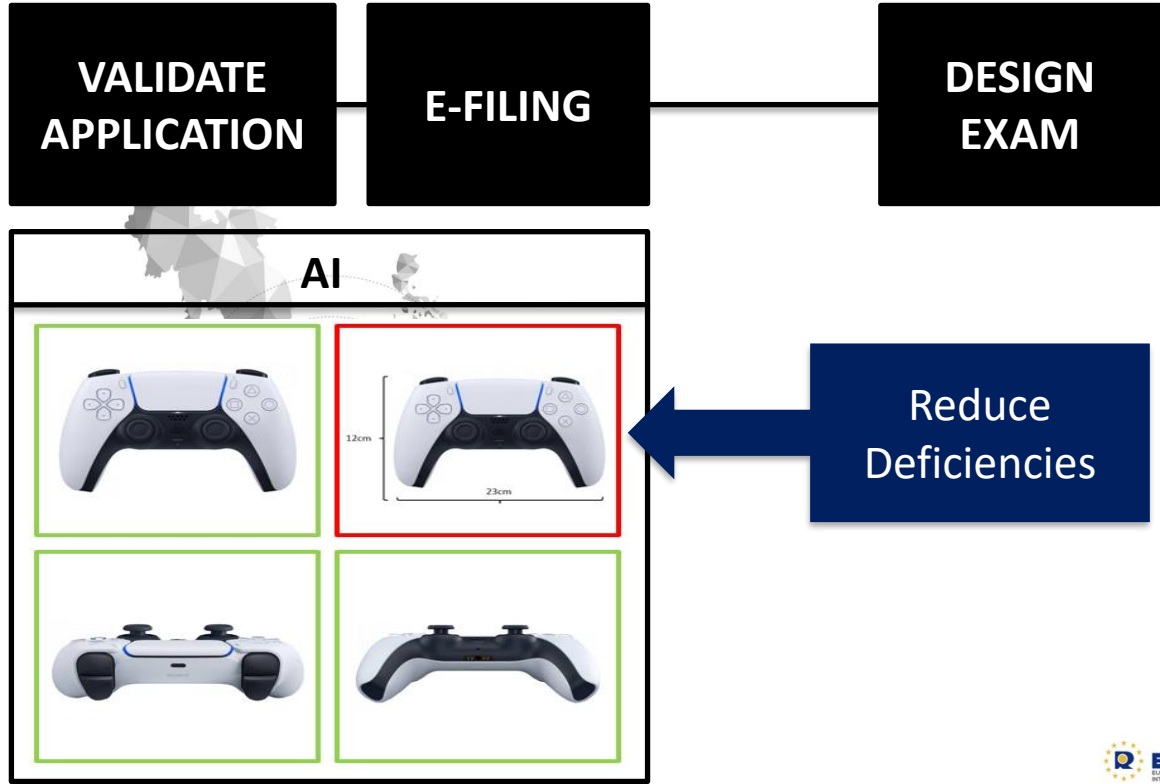
## Examiner Testing Results



■ OK ■ NOT OK









VIEW 1



VIEW 2



VIEW 3

Indication of  
Product ?

AI will recommend **Indication of Product** based on the representation of the design

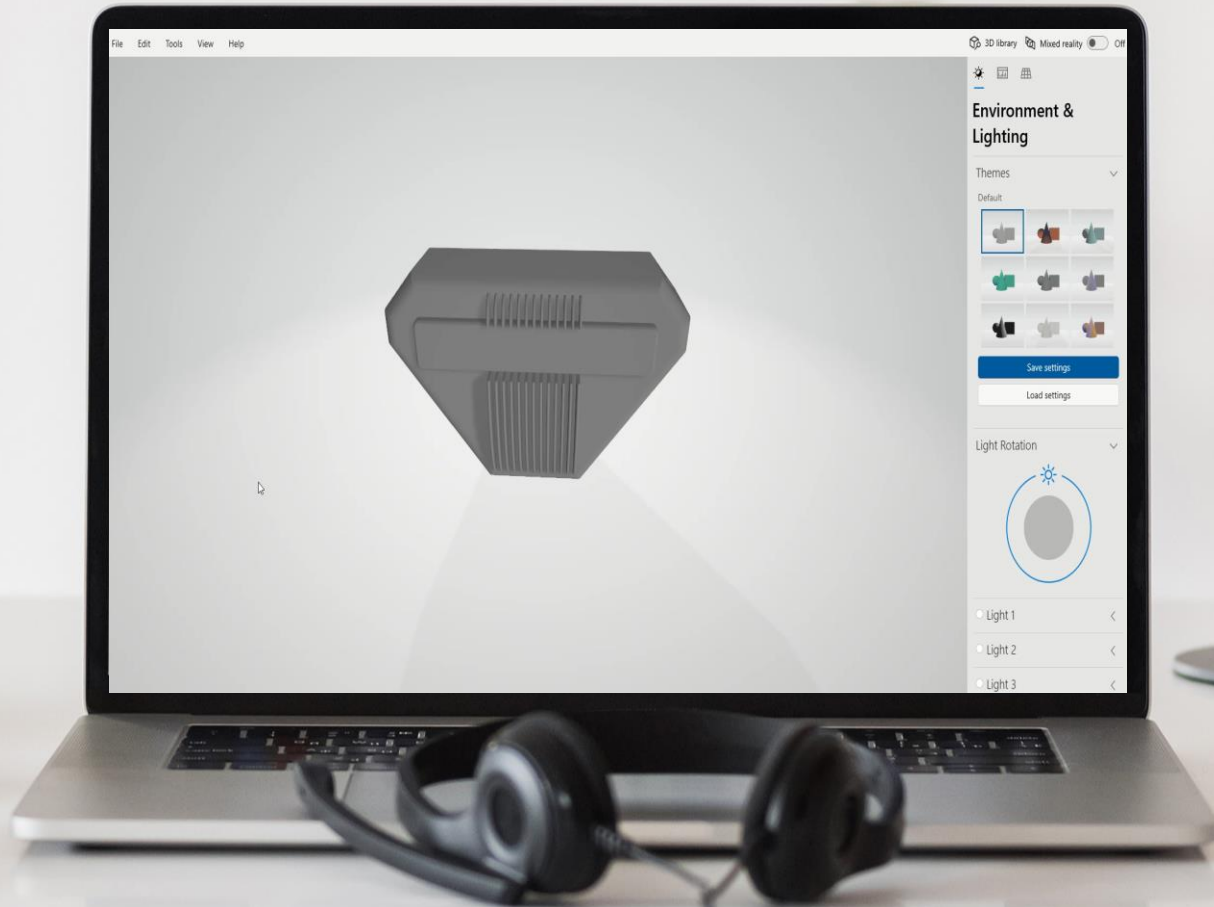
- Locarno class: **21 Games, toys, tents and sports goods**
- Locarno **subclass 01**
- Recommended term: **Video game controllers**



## 3D for Designs - Possibilities



# 3-D VIEWER





THANK YOU

