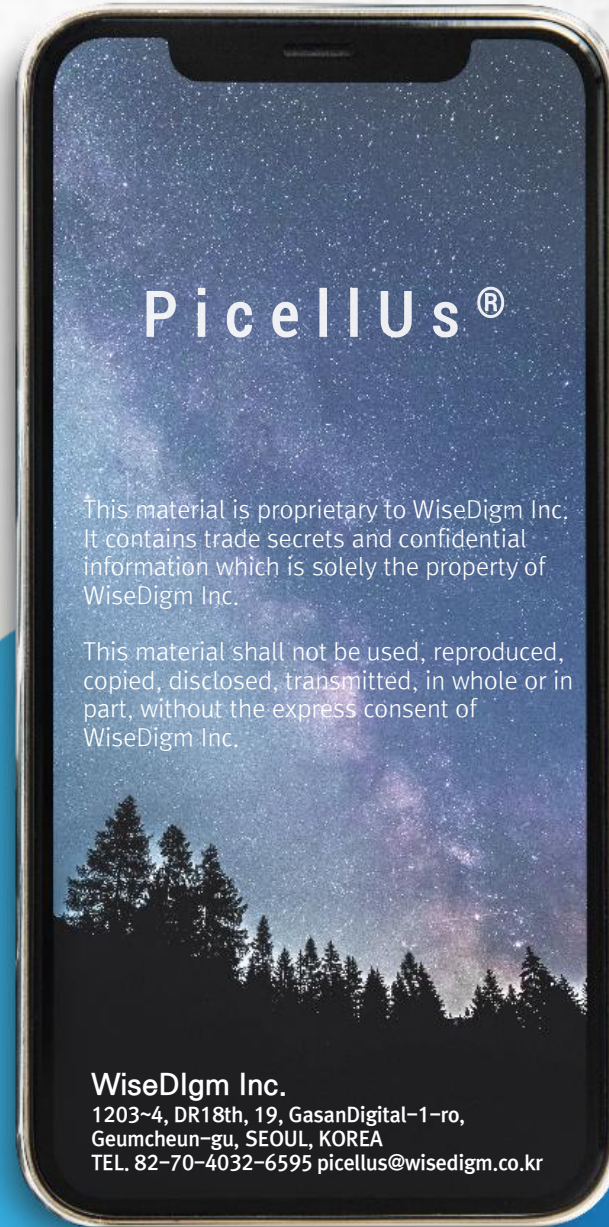




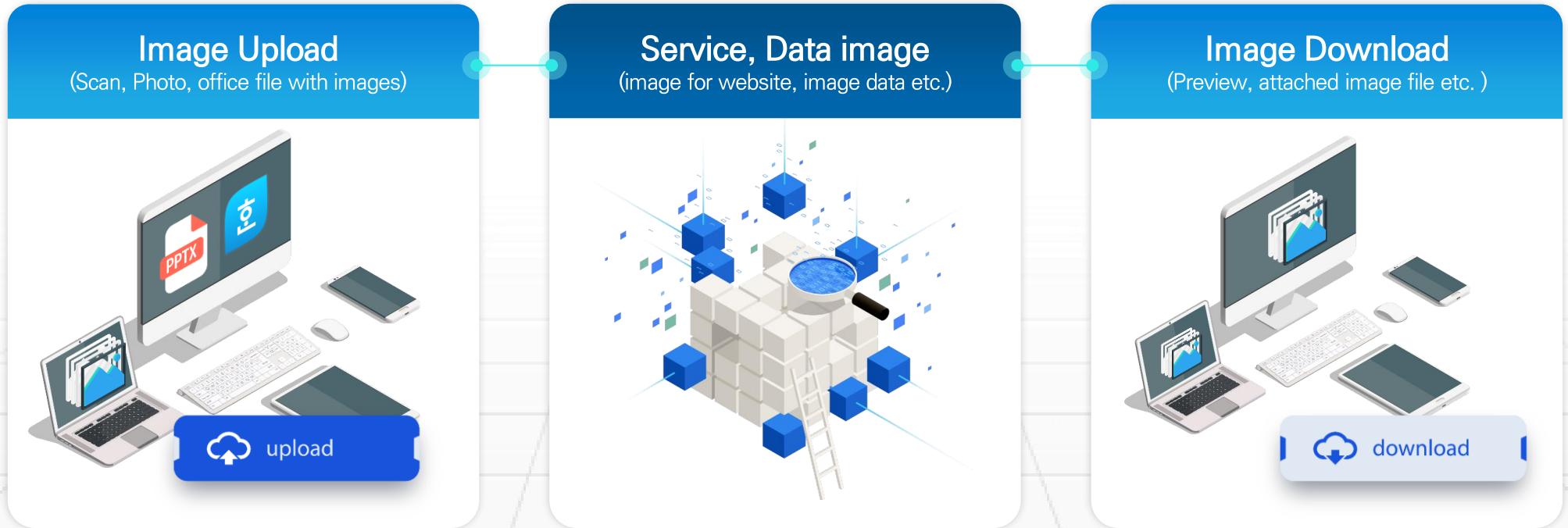
Image optimization solution

PicellUs[®] Image Slimmer v1.0

2025. 01



» The use of **images and documents containing images** in business systems is **rapidly increasing**.



Problem



Increased use of high-performance mobile devices for business
→ **Increased image usage and high-resolution images**

To improve user satisfy
Increased use of high-resolution images
→ **Increased number of large documents containing images**

Increased network traffic reduces system performance
→ **reduces work efficiency and reduces user satisfaction**

Increased server storage and backup storage capacity
→ **Continuous increase in system operating costs**

➤ Solution that reduces file size while maintaining the original image file format and resolution.



No change in Resolution

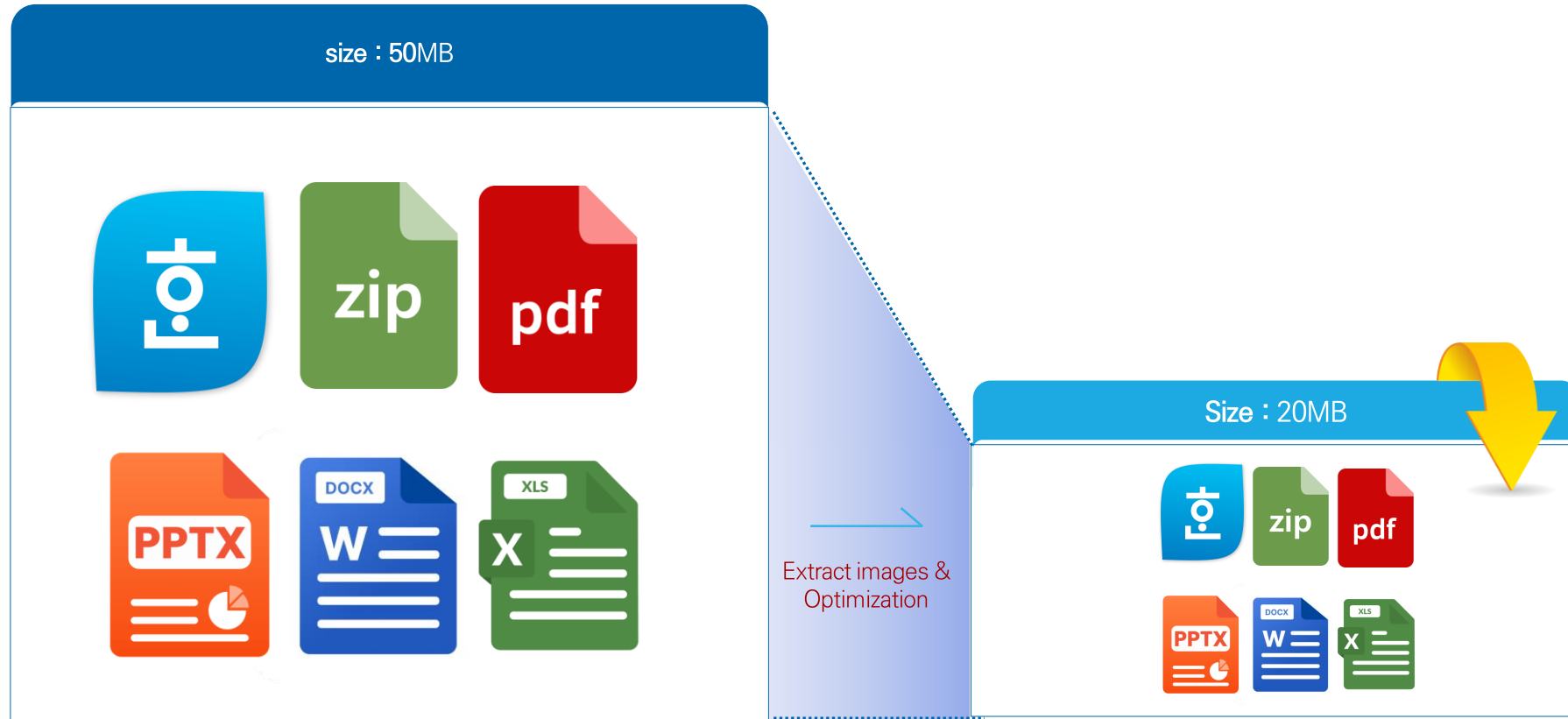


Reduced File size




Optimization

» Reducing the size of the images in the document – HWPX, MS Office(docx,pptx,xlsx)



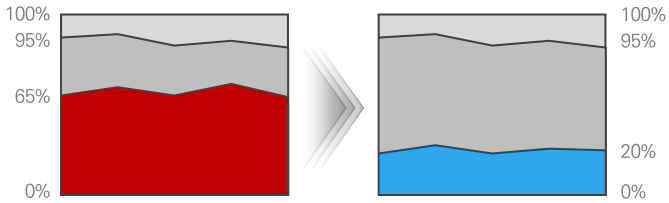
 Extract images

 Image Optimization

 Reduced Document size

Expected effect

Reduce network traffic → Improve system performance



Shorten working hours → Increase work efficiency

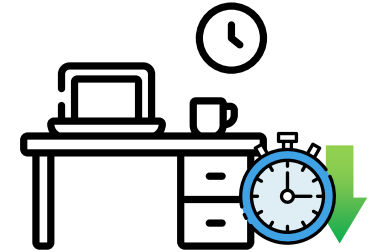
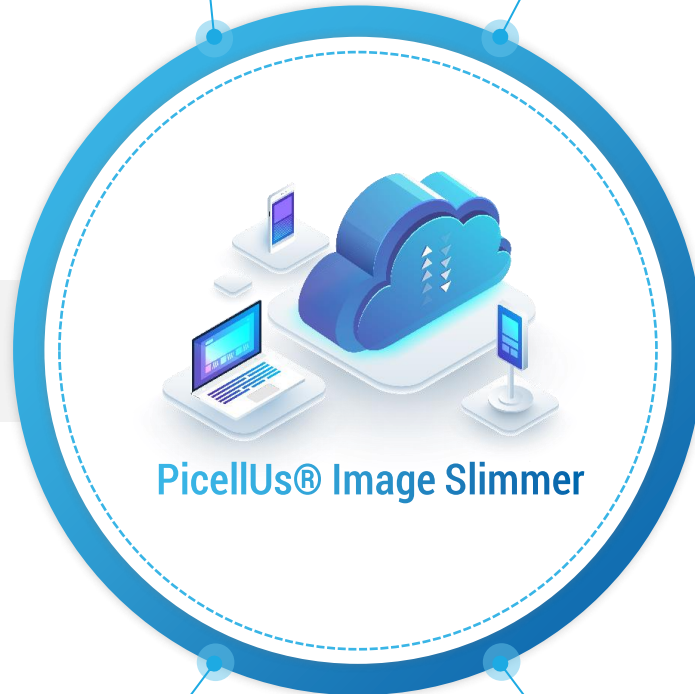
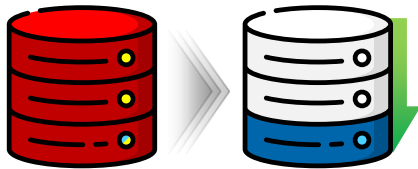


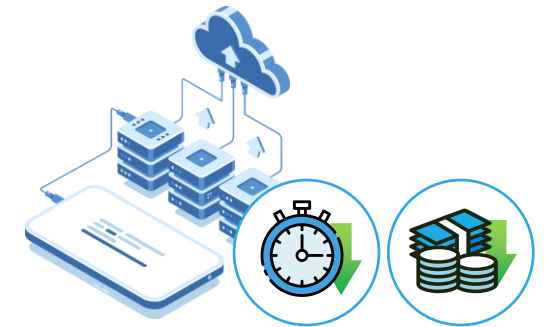
Image optimization solution



P i c e l l U s



Reduce server storage capacity



Reduce backup time/cost



PicellUs® Image Slimmer



Support Server, PC & Mobile

Java SDK for Server
SDK for Mobile App.
HTML5 module

Proven technology

Patent
1st GoodSoftware Certi. (GS1)



Excellent performance

Maintained resolution
Fast conversion
Minimized server load



PicellUs® Image Slimmer

Production introduction

PicellUs image Slimmer SDK (Java, Html5, Android, iOS)

Return Code

Resolution

Log

API

Image Input/Output

Manager

PicellUs image Slimmer Engine

Support file format

- Java Server(WAS)
: JPG, PNG, hwp, pptx, docx, xlsx
- iOS, Android : JPG, PNG
- HTML5 : JPG, PNG

Recomended Server Spec.

- CPU : over 4Core
- RAM : over 16GB
- OS : Any OS

Support OS

- Any OS(Java Based)
- iOS, Android(Native App.)
- HTML5(Windows, Mobile Web)

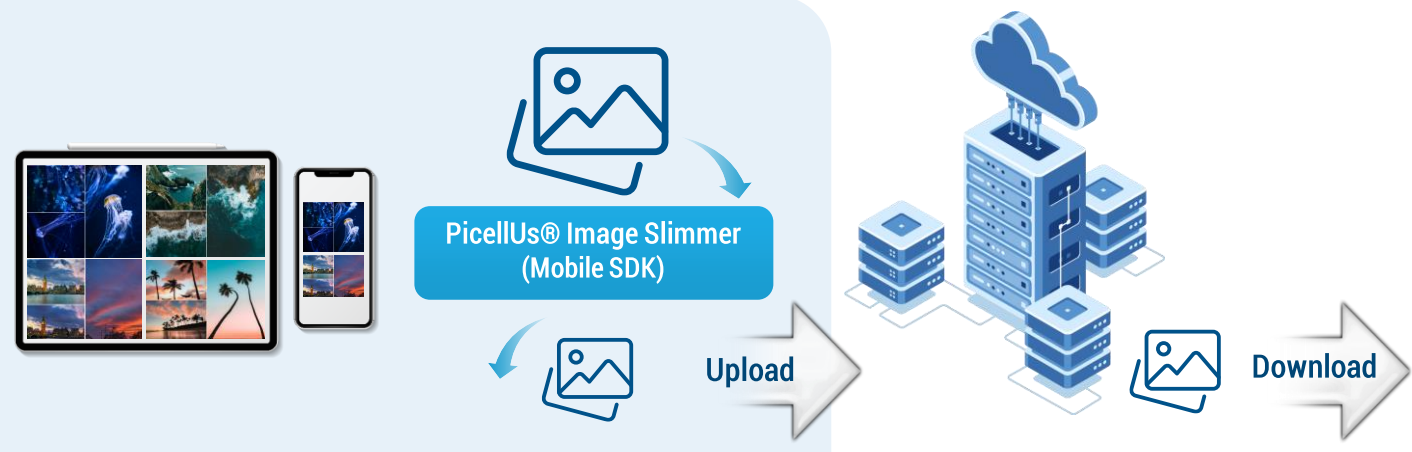
Key Features 01

Image optimization – Support Server, Mobile and PC(html5)



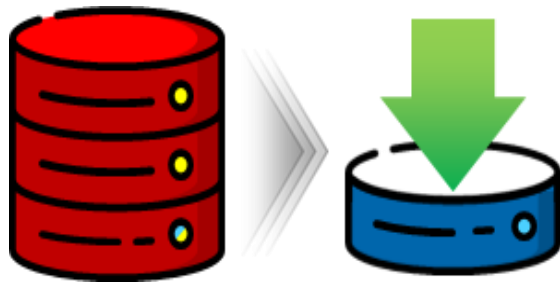
Mobile image optimization

- iOS, Android Native Mobile App. SDK support
- Upload immediately after shooting on mobile
- Increase work efficiency with increased upload and processing speeds



Key Features 02

Optimization



- Image Optimization
- Adjustable optimization rate
- Recommended optimization rate 60~70%

Key Features 03

Multi-Resize



- Supports pixel (resolution) or ratio (%)
- Maintains horizontal/vertical ratio
- Creates images for each device at once, such as pad, smartphone, and PC

Key Features 04

Watermark



- Support for inserting watermarks into images when uploading/downloading

Key Features 05

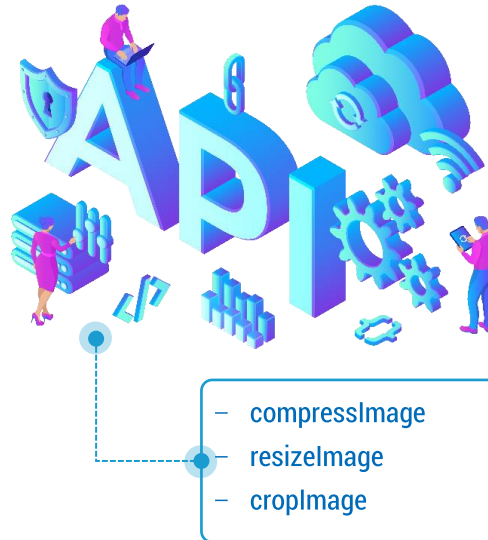
Folder conversion



- Batch Optimize All Image Files Under Folder Including Subfolders
- Log Record
- Separate Non-Image Files

Key Features 06

APi

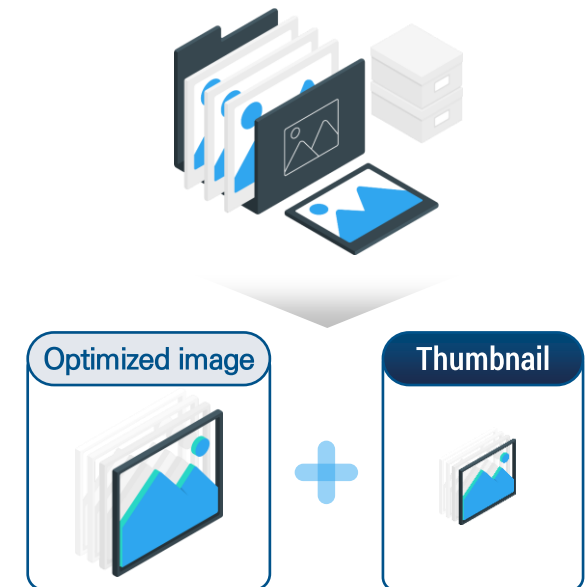


- compressImage
- resizeImage
- cropImage

- Providing various APIs for business application integration

Key Features 07

Auto Thumbnail



- Automatically generate thumbnail images while converting image compression

Key Features 08

Document file Optimization



- HwpX, MS Office(pptx, docx, xlsx) support
- Insert watermark in document

Key Features 09

Support Zip file



- Convert images in Zip files
- Convert subfolders in Zip files
- Convert document files in batches

Key Features 10

Metadata edit/delete



- Editing Meta information stored in the image
- Preventing image property Location/Time/Device information leaks.

Resolution : 4000x1868 | Size: 2,20MB



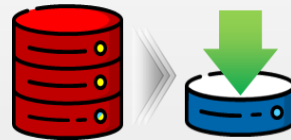
5X zoom



Resolution : 4000x1868 | Size: 0.98MB (57.51%)

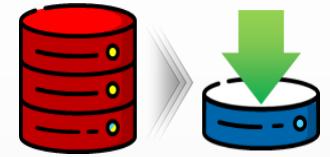


5X zoom



PicellUs

Reduce about 60%



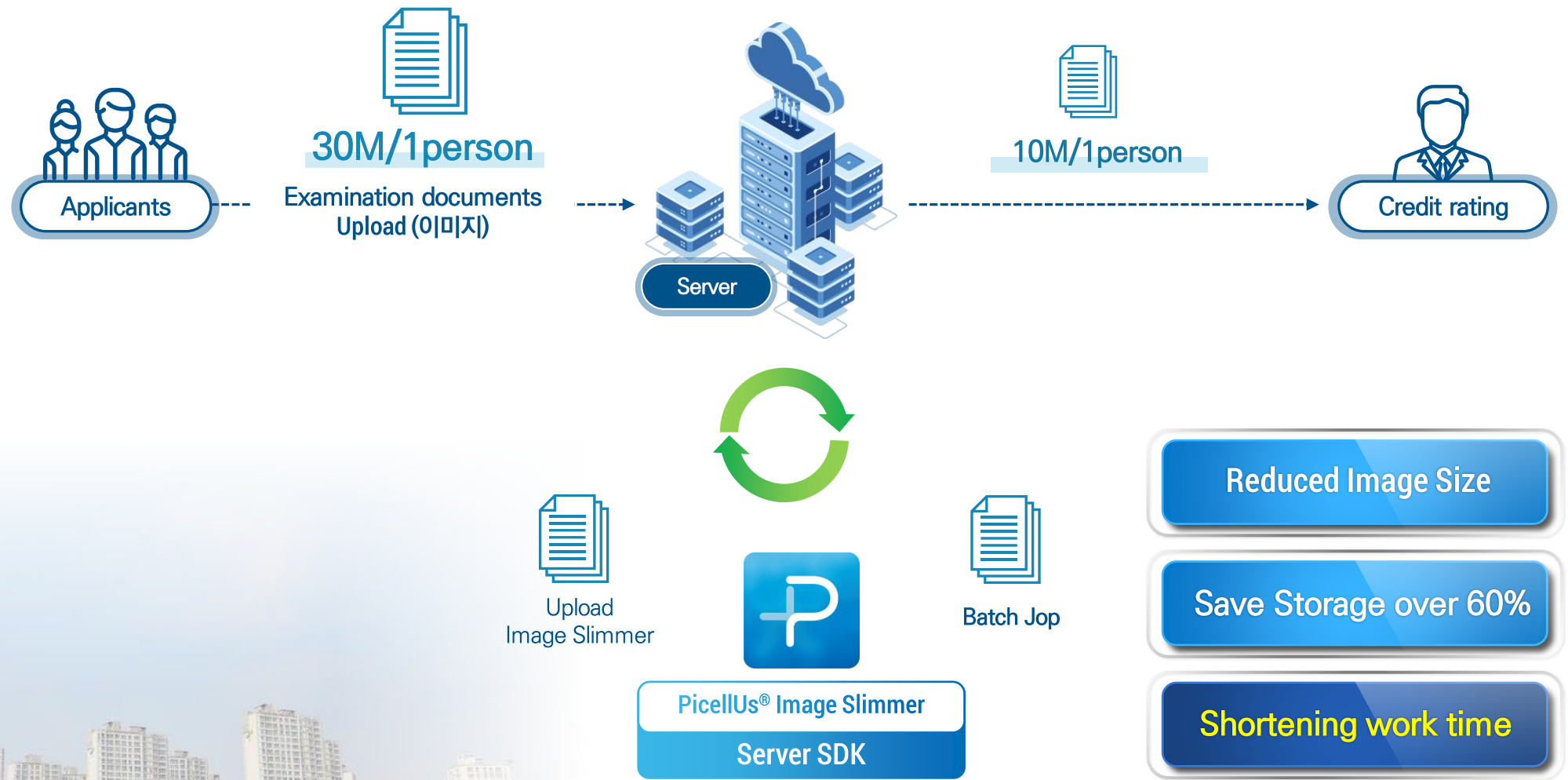
	Original	1.3MB	12.16MB	22.72MB	50.81MB	101.76MB
	After Optimization	0.20MB	0.28MB	0.78MB	1.31MB	2.56MB
	Reduce rate	84.41 %	97.19%	96.54%	97.42%	97.48%

	Original	1.07MB	12.16MB	22.03MB	50.24MB	100.93MB
	After Optimization	0.24MB	4.07MB	4.28MB	4.63MB	10.09MB
	Reduce rate	76.31 %	66.48%	80.54%	90.77%	94.82%

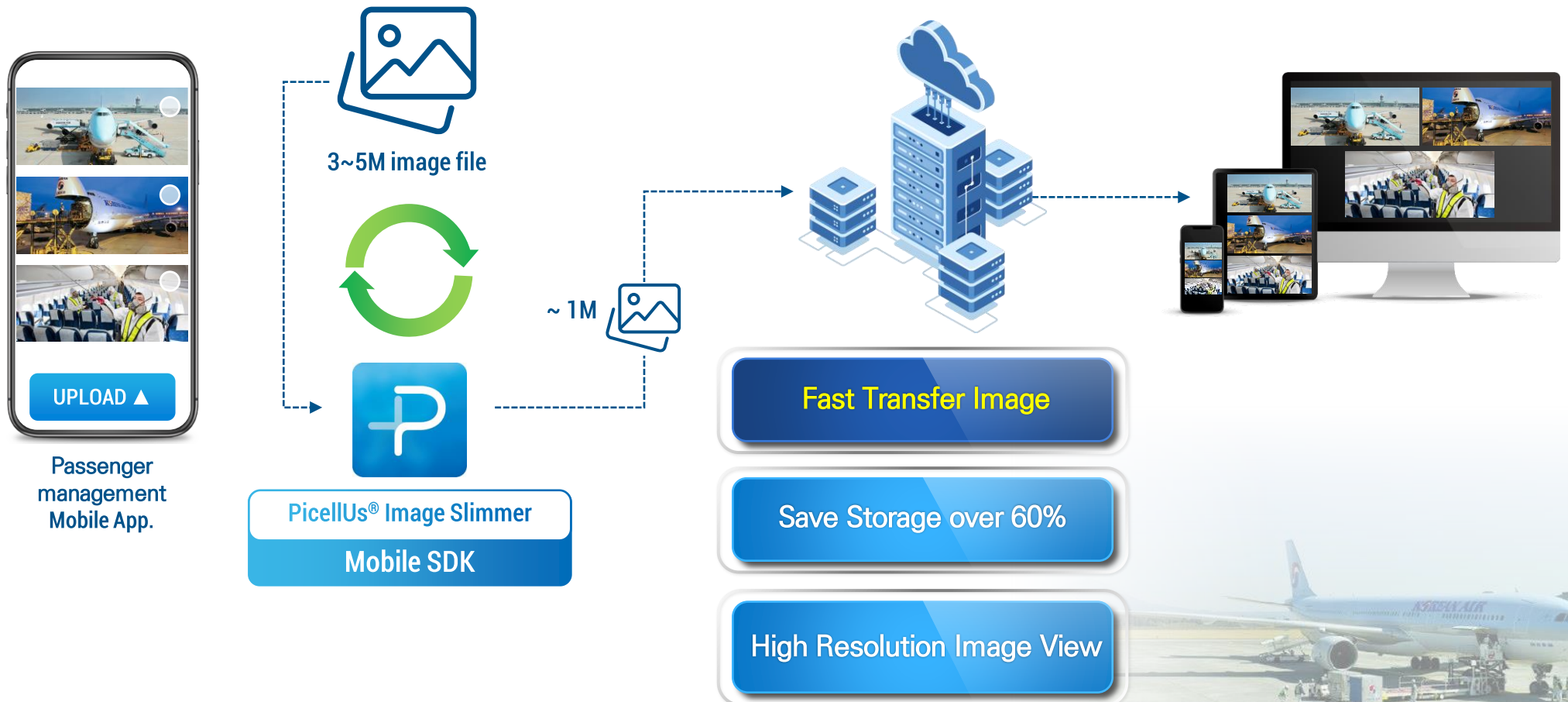
	Original	1MB	12.39MB	26.18MB	53.65MB	107.16MB
	After Optimization	0.14MB	2.12MB	17.92MB	18.90MB	26.53MB
	Reduce rate	85.13 %	82.88%	31.53%	64.77%	75.23%

This is the result of a test conducted at Wisedigm inc. Research Institute using a sample document, and is intended to show that the file size is reduced. The degree of reduction may vary depending on the file.

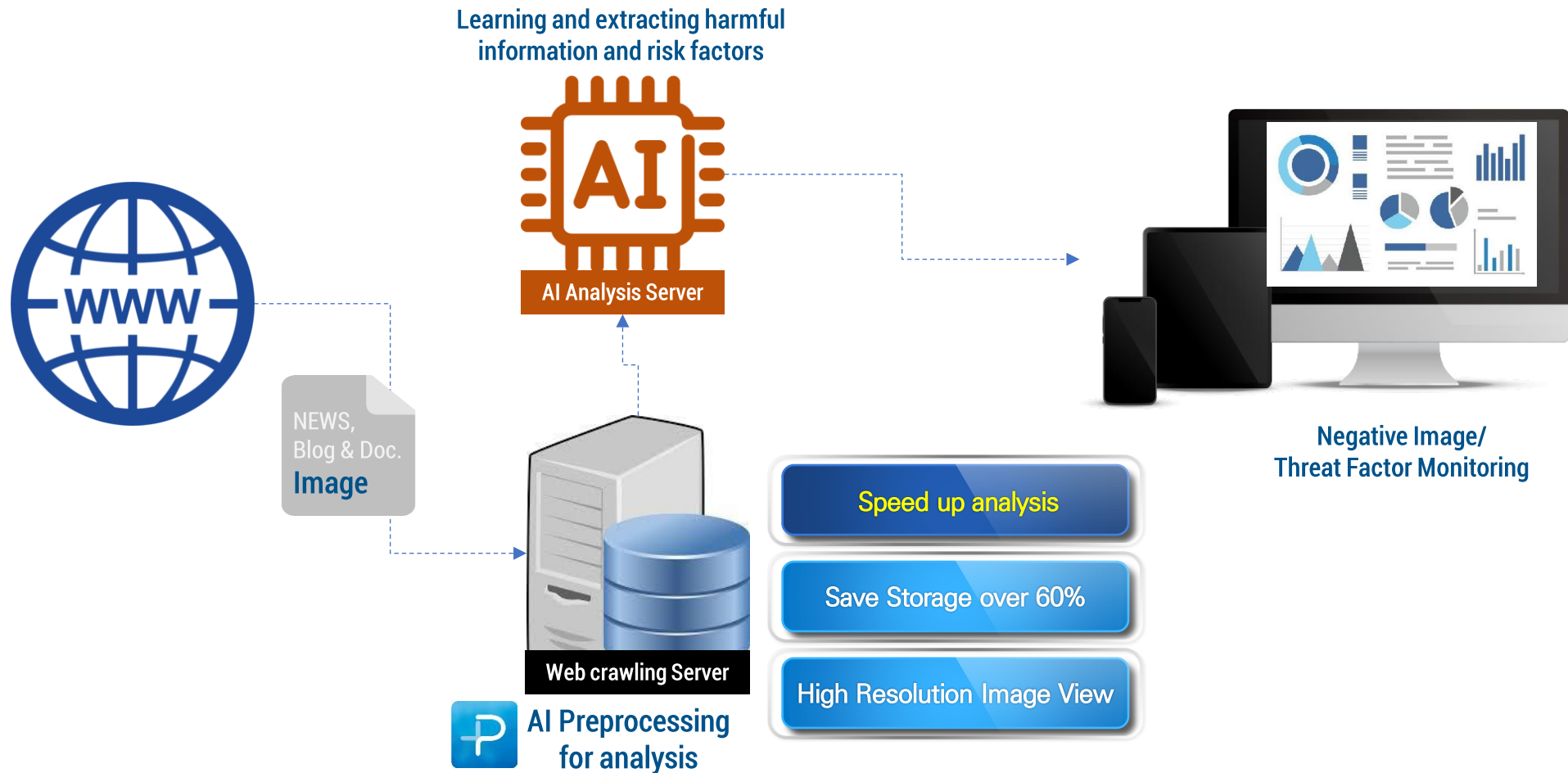
» Loan screening document registration and evaluation work



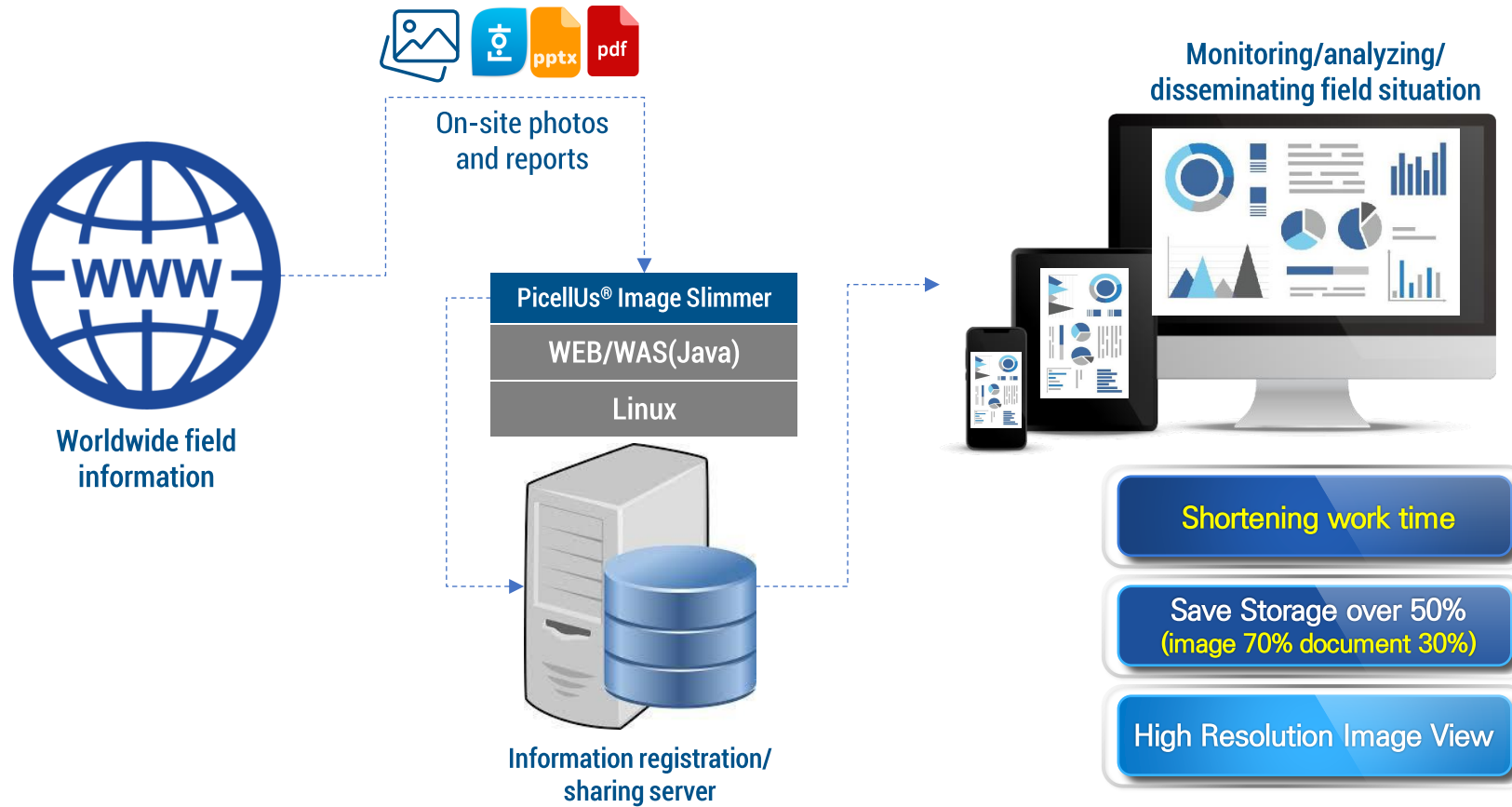
» Sending photos of aircraft integrated operation site work



➤ Brand Image Management and Threat Factor Monitoring System **AI Analysis Image Preprocessing**



» Overseas Information Sharing Bulletin Board Upload File Management (image, hwp, pptx, pdf)



WISEDIGM Inc.

starts from **empathizing** with the difficulties of customers.



Alliance



Empathy



Share



See for yourself! The quality of PicellUs® Image Slimmer.

DEMO LINK

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