



Powered by  Microsoft

## User Manual

<b>GV process summary</b>	<b>2</b>
<b>Inspection management</b>	<b>3</b>
<b>Asset management</b>	<b>4</b>
<b>Priority rules configuration</b>	<b>5</b>
<b>New AI inspection</b>	<b>7</b>
<b>Finalization of AI inspection</b>	<b>8</b>
<b>RGB Orthomosaic</b>	<b>9</b>
<b>Identified damages</b>	<b>10</b>
<b>Damage details</b>	<b>11</b>
<b>All inspection images</b>	<b>12</b>
<b>Customization of PDF report</b>	<b>13</b>
<b>Manager's dashboard</b>	<b>14</b>

# Get Vision **process summary**



## **Objects**

Add your assets together with basic parameters as:

- Location
- Installed power
- PV panel power
- PV panel size
- Area, etc.

## **Rules**

Configure your own rules for classification of damages priorities or use our default rules

## **New AI inspection**

Enter drone flight and weather details, upload drone images for AI analysis

## **Verify inspection**

Check inspection results on interactive orthomosaic, add additional damages detected by Your own and summary

## **Generate complete PDF report incl.:**

- Asset details
- Inspection details
- Charts
- Power and tariff loss
- Situational map
- Orthomosaic
- Details of each damage

# Manage assets inspections

Create new asset inspection, generate report from multiple inspections and configure it's template and layout

The screenshot displays the GET VISION dashboard. At the top, there's a navigation bar with the 'GET VISION' logo, a dropdown menu set to 'PV Farm', and three main action buttons: 'New inspection', 'Generate object report', and 'Configure report'. On the right of the navigation bar, it shows a balance of '29860 EUR', a 'LOG OUT' button, and a user profile icon. A left sidebar contains navigation icons for 'Home', 'Objects', 'Rules', 'Statistics', and 'Users'. The main content area is titled 'Inspection reports' and features a search bar, date filters (01-01-2020 to 12-06-2023), and a list of reports. The reports list includes entries for 'Madrid' (10.06.2023), 'Paris' (10.06.2023), and two entries for 'EPV Kepsko 1' (09.06.2023 and 07.06.2023). The 'Ready' status for the last 'EPV Kepsko 1' entry is highlighted. A map of Europe is shown on the right side of the dashboard. A bottom navigation bar includes a 'Group' icon and the text 'GET IT DAN'.

Inspection reports

PV Farm

New inspection

Generate object report

Configure report

29860 EUR

LOG OUT

Search...

01-01-2020

12-06-2023

Madrid  
10.06.2023

Verify report

Paris  
10.06.2023

Edit draft

EPV Kepsko 1  
09.06.2023

Verify report

EPV Kepsko 1  
07.06.2023

Ready

Available inspection statuses:  
Draft, In progress, Verify report, Ready

Manage assets, configure priority rules, view inspection statistics and manage users

View User Panel including:  
helpdesk, user manuals and account details

Get our professional support on Live Chat!

# Manage your assets

GET VISION

Inspection reports

PV Farm

Search...

01-01-202010-06-2023

Madrid10.06.2023

Paris10.06.2023

EPV Kepsko 109.06.2023

EPV Kepsko 107.06.2023

EPV Kepsko 107.06.2023

EPV Kepsko 106.06.2023

EPV Kepsko 106.06.2023

EPV Kepsko 106.06.2023

<1>

GroupGET IT DAN

Home

Objects

Rules

Statistics

Users

+

-

Map

New inspection object

Address

Object nameStreet

CountryRegion

CityPost code

LatitudeLongitude

Details

Peak power (MW)Area

Panel modelInverter model

Number of panelsPanel inclination

Panel size (cm2)Panel maximum power (W)

Feed in tariff (EUR/kWh)Photovoltaic power potential

Save objectUpload historical inspectionsCancel

Add asset latitude and longitude from e.g. Google maps in format 43.6058306588137, 5.7575391568875 to display it on map

Add asset parameters to be displayed in the PDF report

Peak power is used for calculation of the inspection price and will be verified by GV team

Panel size and maximum power are needed for calculation of power and tariff loss

# Configure priority rules

GET VISION

Inspection reports

PV Farm

Search...

01-01-2020

11-06-2023

Madrid 10.06.2023

Madrid 10.06.2023

Madrid 10.06.2023

Paris 10.06.2023

EPV Kepsko 1 09.06.2023

EPV Kepsko 1 07.06.2023

EPV Kepsko 1 07.06.2023

EPV Kepsko 1 07.06.2023

EPV Kepsko 1 06.06.2023

Home

Objects

Rules

Statistics

Users

Group

GET IT DAN

Rules of damage classification

New rule

Add and edit damage types priorities

NAME	RECOMMENDATION	COLOR	ACTIONS
High	Replace	Red	
Medium	Monitor	Yellow	
Low	Trim plants	Green	

Range of damage size for rules

Severity name	Damage area (cm2)	Min	Max
High			
Bypass diode failure		1	99999
Internal hotspot		100000	100000
Plant shading		100000	100000
Non-working module		1	99999
Medium			
Non-working module		100000	100000
Plant shading		0	0
Internal hotspot		1	99999
Bypass diode failure		100000	100000
Low			
Plant shading		1	99999

Typical PV panel area is 15.000-20.000 cm<sup>2</sup>. Plant shadings may cover up to several panels thus maximum damage area is 100.000 cm<sup>2</sup>.

Priorities classification is based on damage size thus it needs to be correctly adjusted. Damages should be excluded from selected priority by setting range for 0-0 or 100000-100000 cm<sup>2</sup>



# Default **priority rules** – available in app soon, for now filled in manually

NAME	RECOMMENDATION	COLOR	ACTIONS
High	Replace	Red	
Medium	Monitor	Yellow	
Low	Trim plants	Green	

**Range of damage size for rules**

Severity name	Damage area (cm2)	Min	Max
<b>High</b>			
Bypass diode failure		<input type="text" value="1"/>	<input type="text" value="99999"/>
Internal hotspot		<input type="text" value="100000"/>	<input type="text" value="100000"/>
Plant shading		<input type="text" value="100000"/>	<input type="text" value="100000"/>
Non-working module		<input type="text" value="1"/>	<input type="text" value="99999"/>
<b>Medium</b>			
Bypass diode failure		<input type="text" value="100000"/>	<input type="text" value="100000"/>
Internal hotspot		<input type="text" value="1"/>	<input type="text" value="99999"/>
Plant shading		<input type="text" value="0"/>	<input type="text" value="0"/>
Non-working module		<input type="text" value="100000"/>	<input type="text" value="100000"/>
<b>Low</b>			
Bypass diode failure		<input type="text" value="0"/>	<input type="text" value="0"/>
Internal hotspot		<input type="text" value="0"/>	<input type="text" value="0"/>
Plant shading		<input type="text" value="1"/>	<input type="text" value="99999"/>
Non-working module		<input type="text" value="0"/>	<input type="text" value="0"/>

High priority is applied to Bypass diode failure and Non-working module with range 1 – 99.999 cm<sup>2</sup>. Other damages are excluded with range 100.000-100.000 or 0-0 cm<sup>2</sup>

Medium priority is applied only to Hotspots with size 1 – 99.999 cm<sup>2</sup>.

Low priority is applied only to Plant shadings size 1 – 99.999 cm<sup>2</sup> .

# Create new AI inspection

GET VISION

Home

Objects

Rules

Statistics

Users

Group

GET IT DAN

Inspection reports

PV Farm

New ins

Search...

01-01-2020

12-06-2023

Madrid

10.06.2023

Paris

10.06.2023

EPV Kepsko 1

09.06.2023

EPV Kepsko 1

07.06.2023

<

1

>

Enter flight details

Add camera-details. RGB camera sensor size and Thermal camera horizontal Field of View are needed for correct calculation of the damage size

Select weather details

Upload RGB Wide (not Zoom) and Thermal images and start AI analysis!

Overview

Object

Paris

Company providing inspection

Enter

Inspection date

12-06-2023

Person responsible for inspection

Responsible person

Flight details

Flight start

dd/mm/yyyy hh:mm (a | p)m

Drone

DJI Ronin

Thermal camera

Zenmuse H20 Thermal

Flight finish

dd/mm/yyyy hh:mm (a | p)m

RGB camera

DJI Zenmuse XT2

Weather

Cloud coverage (Okta)

Cloud coverage (Okta)

Wind speed (Bft)

Wind speed (Bft)

Irradiance (W/m<sup>2</sup>)

Irradiance (W/m<sup>2</sup>)

Wind direction

Wind direction

Uploaded images

No uploaded images

Start AI analysis

Upload images

Save draft

Delete images

Cancel

# Finalize AI inspection

Generate PDF report with inspection results. Personalize it's template and layout

The screenshot displays the 'Inspection reports' section of the GET VISION software. On the left, a sidebar contains navigation icons for Home, Objects, Rules, Statistics, and Users. The main area shows a list of inspection reports for 'EPV Kepsko 1' with dates ranging from 06.06.2023 to 09.06.2023. The selected report, dated 2023-06-07, is shown in detail. It includes fields for 'Inspection date', 'Company providing inspection', 'Report author', and 'Estimated remedial action cost' (300). A 'Generate PDF report' button is prominently displayed. Below this, there is a section for 'Add inspection summary' with a text area containing a paragraph about thermographic inspection. A 'Save summary' button is located below the text area. The bottom section, titled 'Damages map and Orthomosaic', shows a map view with a 'Map' button and an 'RGB Mosaic' button. A tooltip on the map indicates '1 - Plant shading - Low'. A blue chat icon is visible in the bottom right corner.

**Inspection reports**

Search...

01-01-2020 10-06-2023

Madrid 10.06.2023

Paris 10.06.2023

EPV Kepsko 1 09.06.2023

EPV Kepsko 1 07.06.2023

EPV Kepsko 1 07.06.2023

EPV Kepsko 1 07.06.2023

EPV Kepsko 1 06.06.2023

EPV Kepsko 1 06.06.2023

Group GET IT DAN

**Inspection EPV Kepsko 1**

Inspection date: 2023-06-07

Company providing inspection:

Report author:

Estimated remedial action cost: 300

Generate PDF report

Configure report

Draft Inspection

Add inspection summary

Thermographic inspection is crucial for the maintenance of photovoltaic module's performance and safety. During this inspection, there were identified 8 damages, 3 with high priority and 5 with low priority.

Save summary

**Damages map and Orthomosaic**

Map RGB Mosaic

1 - Plant shading - Low

1 2

1 1

1 1

8

Add remedial action cost and inspection summary for PDF report

You can easily switch between the situational map and RGB mosaic from drone images



# View RGB Orthomosaic

GET VISION

Inspection reports

PV Farm

Search...

01-01-202011-06-2023

Madrid10.06.2023

Madrid10.06.2023

Madrid10.06.2023

Paris10.06.2023

EPV Kepsko 109.06.2023

EPV Kepsko 107.06.2023

EPV Kepsko 107.06.2023

EPV Kepsko 107.06.2023

GroupGET IT DAN

Home

Objects

Rules

Statistics


Users

Save summary

Damages map and Orthomosaic

Click on icon to display damage details

MapRGB Mosaic



Summary of identified damages

Low5

High3

DAMAGE

SEVERITY

PREVIEW

CHOICE

Damage priority

# Display identified damages

GET VISION

Inspection reports

PV Farm

Search...

01-01-202010-06-2023

Madrid10.06.2023

Paris10.06.2023

EPV Kepsko 109.06.2023

EPV Kepsko 107.06.2023

EPV Kepsko 107.06.2023

EPV Kepsko 106.06.2023

EPV Kepsko 106.06.2023

<1>

GroupGET IT DAN

Zielona

23A

2

111

2

11

Display damage details, add comment and remedy action

Exclude damages from the PDF report

Summary of identified damages

High4

Low11

	DAMAGE	SEVERITY	PREVIEW	CHOICE
/	Plant shading	Low		<input checked="" type="checkbox"/>
8	Plant shading	Low		<input checked="" type="checkbox"/>
9	Bypass diode failure	High		<input checked="" type="checkbox"/>
10	Bypass diode failure	High		<input checked="" type="checkbox"/>
11	Bypass diode failure	High		<input checked="" type="checkbox"/>
12	Plant shading	Low		<input checked="" type="checkbox"/>
13	Plant shading	Low		<input checked="" type="checkbox"/>
14	Plant shading	Low		<input checked="" type="checkbox"/>
15	Plant shading	Low		<input checked="" type="checkbox"/>

Verify

Review all images

Review all images from inspection and verify report

# Display damage details

Inspection reports

Search...

01-01-2020 10-06-2023

Madrid 10.06.2023

Paris 10.06.2023

EPV Kepsko 1 09.06.2023

EPV Kepsko 1 07.06.2023

EPV Kepsko 1 07.06.2023

EPV Kepsko 1 06.06.2023

EPV Kepsko 1 06.06.2023

Group GET IT DAN

Inspection EPV Kepsko 1

Estimated remedial action cost: 300

Add inspection summary

Lorem ipsum

Damages map and Orthomosaic

Summary of identified damages

Low 5

EPV Kepsko 1 (4)

RGB Thermal

Photo file: DJI\_20220804133737\_0029\_T.JPG

46.7C

41.3 -

35.9 -

30.6 -

25.2 -

19.8 -

14.4 -

9.06 -

3.68 -

-1.7C

Range of temperature from thermal image

Damage type Bypass diode failure

Priority High

Comment

Remedy action Replace

Temperature

Temperature of damage [°C]

Delta temperature [°C] 24,2

Max temperature [°C] 46,7

Min temperature [°C] -1,7

Image created: 04.08.2022

Latitude: 51.5029533611111 Longitude: 18.0312923333333

Save

Remember to save changes



# Review all images

Add own damages

Add and edit new custom damage types

GET IT DAN

Inspection reports

PV Farm

Search...

01-01-2020

10-06-2023

Madrid

10.06.2023

Paris

10.06.2023

EPV Kepsko 1

09.06.2023

EPV Kepsko 1

07.06.2023

EPV Kepsko 1

07.06.2023

EPV Kepsko 1

06.06.2023

EPV Kepsko 1

06.06.2023

<

1

>

Group

GET IT DAN

Summary of identified damages

High

4

DAMAGE

1

Plant shading

2

Plant shading

3

Plant shading

4

Plant shading

5

Plant shading

6

Bypass diode failure

7

Plant shading

EPV Kepsko 1

DJI\_20220804130744\_0062\_T.JPG

Add new damage

52.2C

46.8

41.3

35.9

30.4

25.0

19.5

14.1

8.64

3.2C

DJI\_20220804130744\_0062\_W.JPG

EPV Kepsko 1

EPV Kepsko 1

EPV Kepsko 1

EPV Kepsko 1

EPV Kepsko 1

EPV Kepsko 1

EPV Kepsko 1

EPV Kepsko 1

Damage type

Bypass diode failure

Internal hotspot

Plant shading

Non-working module

Custom damage 1

...

Temperature

Temperature of damage [°C]

Delta temperature [°C]

24,5

Max temperature [°C]

52,2

Min temperature [°C]

3,2

Image created: 04.08.2022

Latitude: 51.4919949444444

Longitude: 18.0717452222222

Save

View all RGB and thermal inspection images



# Customize PDF report layout and template

Inspection reports

PV Farm

Search...

01-01-202010-06-2023

Madrid10.06.2023

Paris10.06.2023

EPV Kepsko 109.06.2023

EPV Kepsko 107.06.2023

EPV Kepsko 107.06.2023

EPV Kepsko 106.06.2023

EPV Kepsko 106.06.2023

<1>

Inspection EPV Kepsko 1

Inspection date: 2023-06-07

Company providing inspection:

Report author:

Estimated remedial action cost: 300

Add inspection summary

Save summary

Damage map and Orthomosaic

Summary of identified damages

Low5High3

Generate PDF report

Configure

Configure report

Title page logo or image

Upload image

No logo selected

Report theme color

1st page header font

1st page header background

Report content configuration

BasicPremium

1. Pie charts

3. Identified damages summary by severity

4. Table of identified damages for device

5. Damages images and descriptions

2. Orthofotomap

Save

Upload logo for PDF report title page

Change report layout

Exclude unnecessary sections as charts and tables

GET IT DAN

GET VISION

# View manager's dashboard

