Configure Ewon Tags as KPI

APPLICATION NOTE

KB-0278-00 1.3 en-US ENGLISH

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1 Preface

1.1 About This Document

This document explains how to set and display tags as KPIs — Key Performance Indicators — in the Ewon Flexy.

For additional related documentation and file downloads, please visit www.ewon.biz/support.

1.2 Document history

Version	Date	Description
1.0	2018-09-03	First Release.
1.1	2019-03-01	Added: M2Web
1.2	2020-01-31	Changed: General refresh
1.3	2020-05-06	Added: *eCatcher Mobile App, p. 8*

1.3 Related Documents

Document	Author	Document ID
OPC UA Server	HMS	AUG-0064-00
Flexy Family	HMS	RG-0008-00
Export Block Descriptor	HMS	RG-0009-00

1.4 Trademark Information

Ewon® is a registered trademark of HMS Industrial Networks SA. All other trademarks mentioned in this document are the property of their respective holders.

2 Introduction

The key performance indicators — also known as KPI — allow a very quick overview of the current state of our project, machine, ... at first sight.

Once the Flexy tag, which is the value polled from the PLC register, configured as a KPI, it can be displayed on the Flexy homepage and on the M2Web platform.

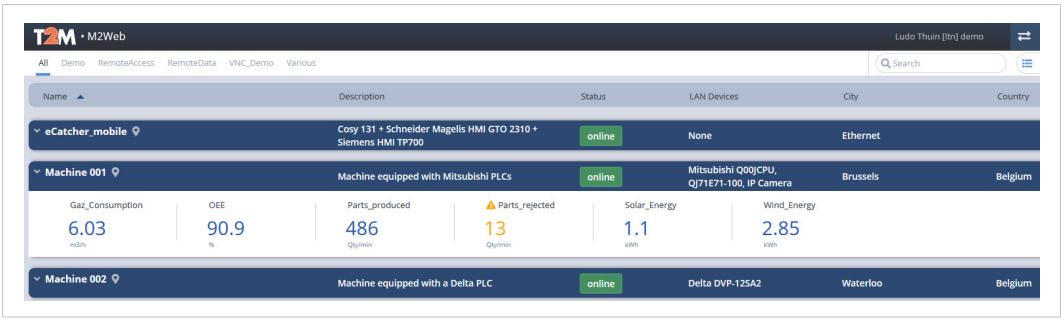

Fig. 1 KPIs in M2Web

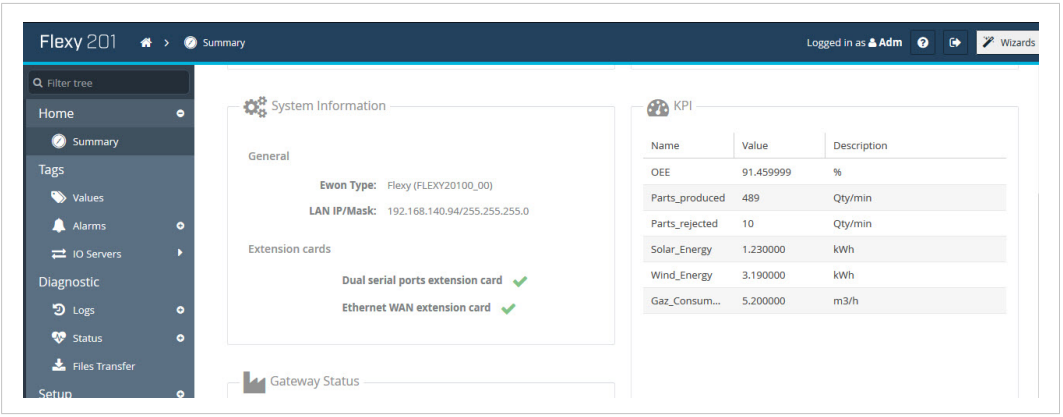

Fig. 2 KPIs in Ewon Flexy

Alternatively the KPIs can also be exported or published to an external device/service using either the OPC UA protocol or the Ewon Flexy Export Block Descriptors.

3 KPIs Setup

The Flexy KPIs configuration takes place on the *Tag View / Setup* section.

The number of Flexy tags set as a KPI is limited to 6.

3.1 Setup Process

3.1.1 Set a new Tag as KPI

- Log in to the web interface of your Flexy.
- Click the **<Values>** link from the left-side menu, under *Tags*.
- Change the tag mode from **View** to **Setup**.
- Add **<a tag>**.
- Set the tag parameters.
- Make sure to check **Enabled** in the KPI section
- Click on **<Add Tag>**.

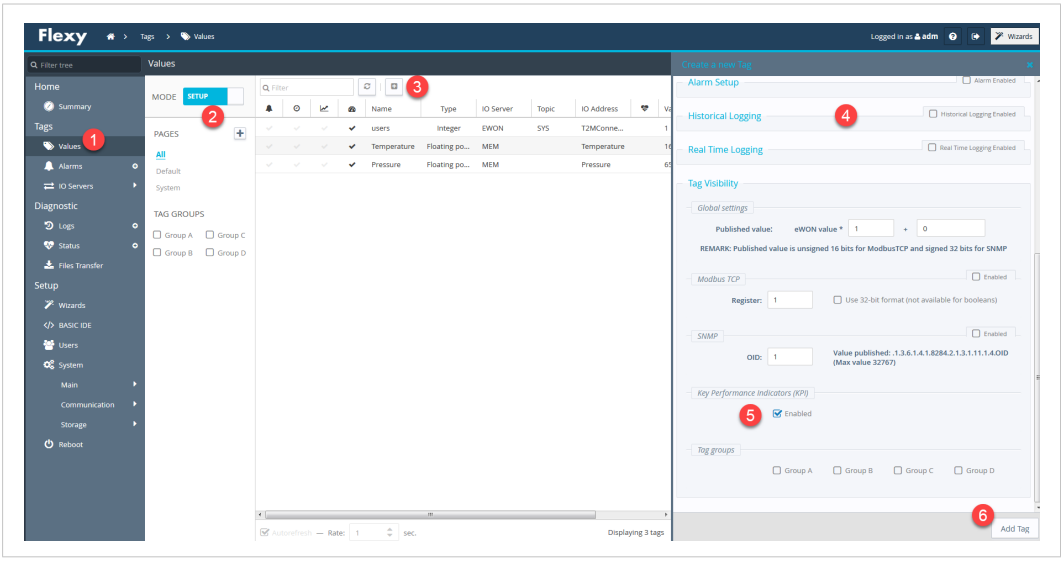

Fig. 3 New tag as KPI

3.1.2 Set an Existing Tag as KPI

If your tag already exists and is listed, you can proceed as follows:

- Log in to the web interface of your Flexy.
- Click the **<Values>** link from the left-side menu, under *Tags*.
- Change the tag mode from **View** to **Setup**.
- Right-click on the tag that needs to be a KPI.
- Make sure to check **Set selection as KPI**.

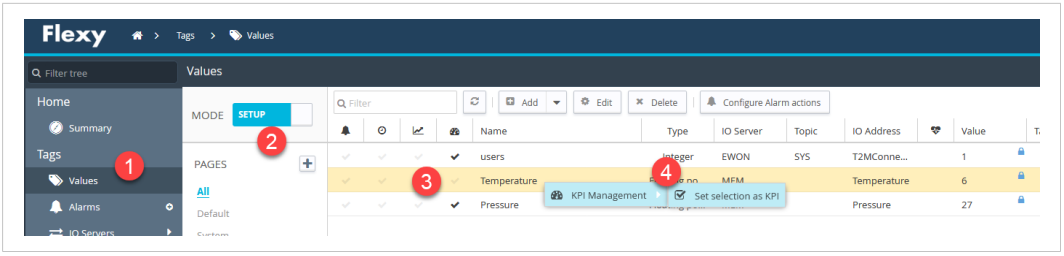

Fig. 4 Set an existing tag as KPI

4 Display the KPIs

The KPIs can be shown on different places.

4.1 Flexy Homepage

By default, the KPI are displayed on the *Summary* page of your Ewon Flexy.

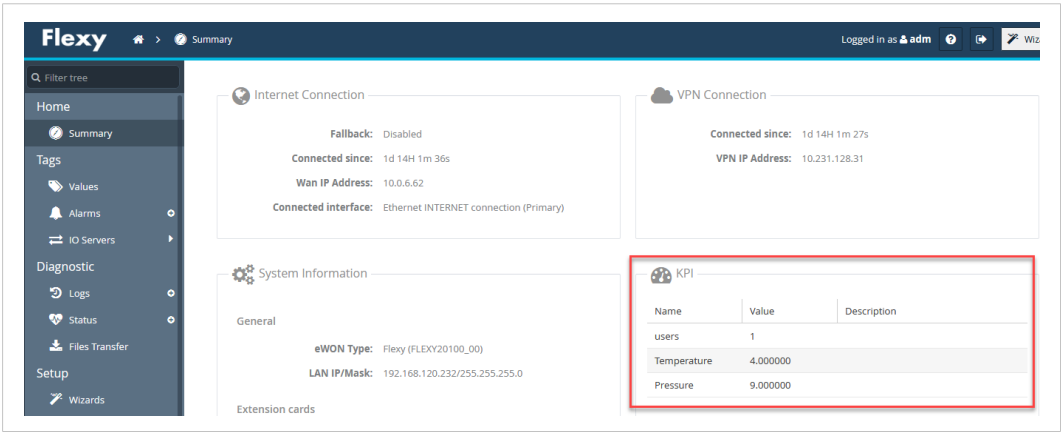

Fig. 5 Flexy dashboard with KPIs

4.2 M2Web

You can also display the KPIs on the M2Web platform.

First, you need to configure the Ewon Flexy to send the KPIs to Talk2M:

- Log in to the web interface of your Flexy.
- Go to: **Setup ► System ► Main ► Data Management**.
- Activate the **Live data and KPI's**.

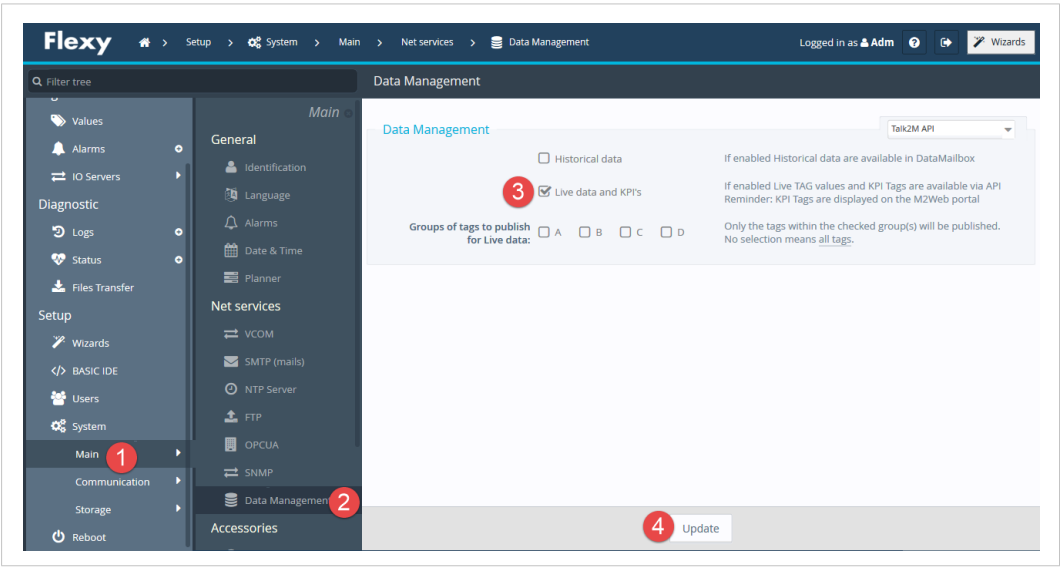

Fig. 6 Activate the KPI in Talk2M

You are now able to see the KPIs on M2Web:

- Open your web browser.

- Browse to https://m2web.talk2m.com
- Enter your **Talk2m account name**, your **username** and your **password**.

Once logged in, the KPIs are displayed automatically under your Flexy name.

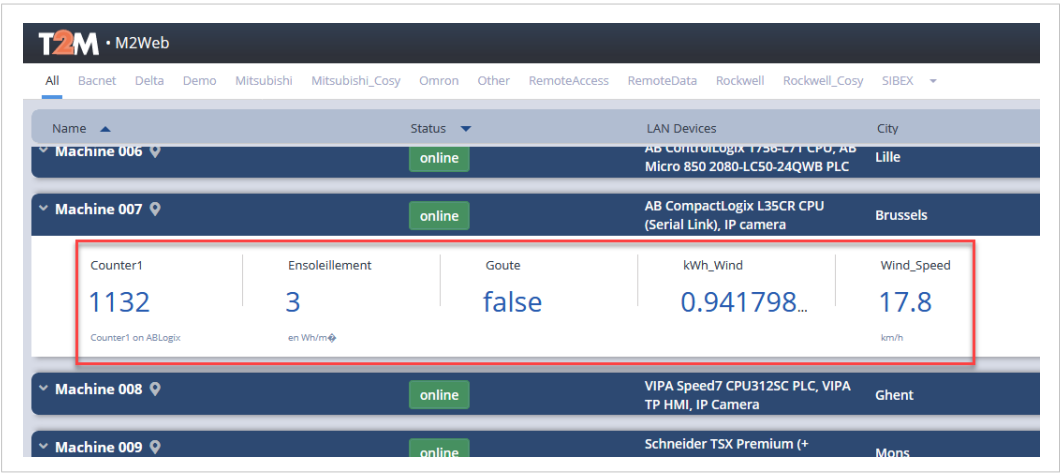

Fig. 7 KPIs in M2Web

If you activate the KPIs on your Ewon Flexy while you were already connected to M2Web, you first need to log out from M2web and login again to see those KPIs.

4.3 eCatcher Mobile App

You can also display the KPIs in the eCatcher Mobile App.

First, you need to activate the KPIs in Talk2M:

- Log in to the web interface of your Flexy.
- Go to: **Setup ▸ System ▸ Main ▸ Data Management**.
- Activate the **Live data and KPI's**.

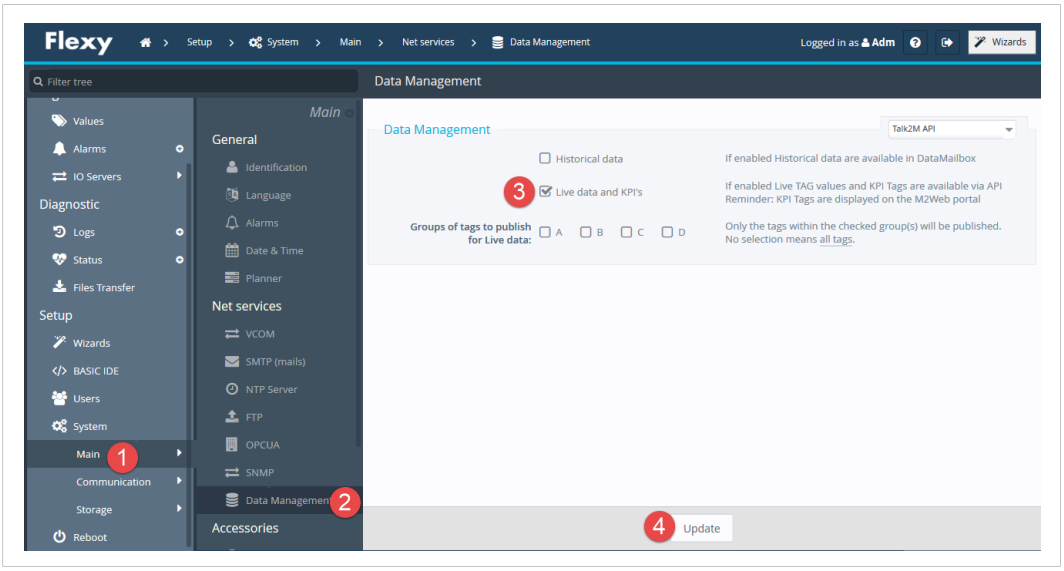

Fig. 8 Activate the KPI in Talk2M

Then, you need to connect to your Talk2M account through the eCatcher mobile app to visualize the KPIs.

The eCatcher Mobile App can be downloaded on the Apple® AppStore or on the Google® Play.

Once the application available on your mobile device, proceed as follows:

1. Open the eCatcher Mobile app on your mobile device.
2. Enter your **account name**, your **username** and your **password**.
3. Enter a PIN code for easy (re)login if you checked the **<Keep me logged in>** bo in the previous step.
4. Tap on the Ewon Flexy you wish to see the KPIs.

Once in the details of your Flexy, you see, among other information, the KPIs.

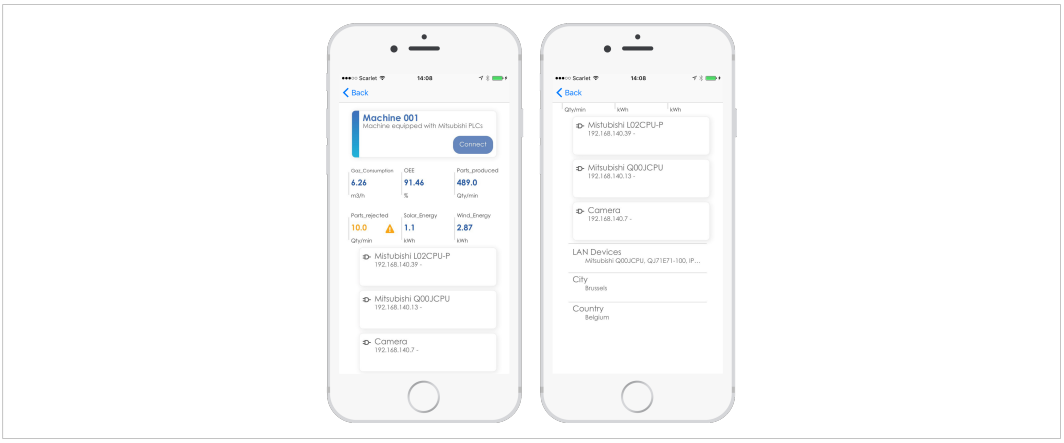

Fig. 9 KPIs displayed in eCatcher Mobile App

The alarms linked to KPIs are already shown on the main view of the eCatcher Mobile App under the form of a warning icon. If no warning icon is displayed, this means that none of the KPIs is in alarm mode.

5 Publish KPIs

5.1 OPC UA

Your Ewon Flexy is able to act as an OPC UA server and so, publish its tags — and KPIs — to an OPC UA client.

If you wish to learn more about OPC UA export and KPIs, please refer to OPC UA Server document from *Related Documents, p. 3*.

5.2 Export Block Descriptor

You can use the Export Block Descriptor also known as EBD to publish the KPIs tags in a custom script.

The following syntax is applied:

- The KPIs data type: $dtKPI
- The formats: $ftJ (JSON), $ftH (HTML), $ftT (TXT).

Example 1: Retrieve a KPI tag through EBD

```
http://EWON_IP/rcgi.binParamForm?AST_Param=$dtKPI$ftJ$fn
```

You can find more info on EBD in the Export Block Descriptor from the *Related Documents, p. 3*.

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