

## Millenium 3 Virtual Display: Millenium 3 enters the mobile era

The Millenium 3 family, the third generation of Crouzet logic controllers, is entering the era of virtual digital interfaces. It is now possible to view or control a machine's settings using the Millenium 3 and your smartphone or hand-held Android tablet. The Millenium 3 Virtual Display allows you to view or control a machine's settings from 10 meters away. Designed to be simple to use, the Millenium 3 Virtual Display brings Millenium 3 into the world of Android applications.



*The Millenium 3 Virtual Display is a new software development that can reproduce the entire view of the Millenium 3 screen by using an Android smartphone, tablet, PC or tablet PC.*

**With Millenium 3 Virtual Display, Crouzet enters the mobile world of installation engineers, operators, or those maintaining an application.** This type of communication opens opportunities to all Millenium 3 markets including: buildings, infrastructure, industry, water management, paramedical, etc.

### First, there is its simplicity

Millenium 3 is recognized for its simple programming and set up. With two available versions, the Millenium 3 Virtual Display connection makes integration into new or existing applications possible with minimal steps:

#### Android:

- Load applications from Google Play on any smartphone or tablet that uses the Android operating system
- Connect a Millenium 3 Bluetooth key with the Millenium 3 logic controller through the programming port
- Connection between the two devices is established through the Bluetooth when the application starts on a smartphone or tablet

#### Windows XP/Windows 7:

- Load the application on to a Windows XP- or Windows 7-compatible PC or a tablet PC from the [www.crouzet.com](http://www.crouzet.com) web site.
- Connect a USB cable or Bluetooth® Millenium 3 key to the Millenium 3 logic controller.

The controller screen then appears on the device just as it is on the Millenium 3 logic controller.



Crouzet Bluetooth key to be connected to the Millenium 3 logic controller programming port

#### Press contact

DRP DELPRAT RELATION PRESSE

Press officer: **Kattia MENDIGUETTI • Gaétane ROCHE**

33 rue du Faubourg Saint-Antoine 75011 Paris

Tel. : +33 (0)1 71 70 38 38

E-mail: [kattia@relationpresse.com](mailto:kattia@relationpresse.com)

## Short distance monitoring and set-up

The Millennium 3 Virtual Display application can be used with all Millennium 3 range controllers, with or without a built-in screen, for both Millennium 3 Essential and Millennium 3 Smart.

The link with the mobile screen via the Bluetooth® key is effective within a radius of 10 metres of the logic controller.

Depending on the version of Millennium 3 Virtual Display installed, the user has access to two levels of service:

- In the **"Lite" version**, the operator can view the displayed data, exactly as they appear on the logic controller, but without being able to make any adjustments, since the modification Esc and OK keys are inoperative.
- The **"Standard" version** gives the user all the functions accessible from the logic controller, such as the modification of set point parameters, for example.

Download the free **"Lite"** version for **Android** on Google Play. The **"Standard"** version can also be downloaded from there for a reasonable price. The **"Lite"** and **"Standard"** versions for **Windows XP and Windows 7** (PC or tablet PC) are available free of charge from [www.crouzet.com](http://www.crouzet.com).



## Multiple applications

Millennium 3 Virtual Display facilitates access to the Millennium 3 interface in a range of situations:

- Setting up and adjusting parameters
- Supervision of an application from a short distance away (monitoring a temperature change, counting events, changing a set-point, etc.)
- Access to the interface when the logic controller is installed out of the operator's reach, without using a permanent remote screen and hence, there is a cost reduction
- Linking the Millennium 3 Virtual Display with a Millennium 3 Blind (version without a built-in screen on the front panel) also reduces costs.

This is for situations where the interface is only required occasionally.

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The Millenium 3 screen is transferred to an Android smartphone: example when the logic controller is programmed to monitor the temperature in a room

### There are numerous application examples, with access from a smartphone, tablet or tablet PC:

- In a maintenance situation to modify Millenium 3 values, when it is integrated into a system: maintaining a heat pump;
- Blocking user access in an access control system: limiting access from Millenium 3 (no built-in screen, Blind version) to maintenance actions.

### And access via a PC:

- Having information available on a computer, as it is produced: example of real-time temperature monitoring for a running process, the Millenium 3 Virtual Display appears in the corner of the screen as a widget;
- Adjusting a machine without having to modify the application program: the installer can commission a machine with no need for the software utility.

### First steps...

For Crouzet, the launch of Millenium 3 Virtual Display marks the first stage in the development of other interfaces for the world of mobile, using effective proven technologies which embody mobility. At the centre of these new developments: the operator/machine and machine/machine dialogue.

**Crouzet**, a specialist in electromechanical, electronic technology and software engineering, has relied on its more than 50 years' experience in time management as well as in physical and mechanical values, to offer a range of automation components that includes: logic controllers, timers, control relays, counters, tachometers, machine safety equipment and temperature controllers.

These products are particularly suited for use in water treatment, waste processing, renewable energy, HVAC, access control, building equipment, agriculture and industrial automation markets.

**Custom Sensors & Technologies (CST)** is a specialist in sensors, controllers and motion products.

Through its brands, BEI Kimco, BEI Sensors, BEI PSSC, Crouzet, Crydom, Kavlico, Newall and Systron Donner Inertial, CST offers customizable, reliable and efficient components for mission-critical systems in Aerospace & Defense, Transportation, Energy & Infrastructures, Commercial & Industrial OEMs, Medical, Food and Beverage and Building Equipment markets.

Focused on premium value offers and committed to excellence, CST, with 4,700 employees worldwide and sales of \$660M US in 2011, is the dependable and adaptable partner for the most demanding customers.

[www.cstsensors.com](http://www.cstsensors.com)

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