

# SUCCESS STORY

## PANDORA FMS & FLUX ITS

Pandora FMS: How to monitor Mexico's first intelligent highway?



*"Pandora FMS has given us robustness, availability and ease of integration."*

**Guillermo Gutiérrez,**  
CEO of FLUX ITS



### THE COMPANY

FLUX ITS is a Mexican company that provides technological integration solutions in automation, control and security for transport, industrial and commercial infrastructure projects for the public and private sectors in Mexico.

We have **more than 15 years of experience in the sector, developing technological integration projects**, which has given us the expertise and knowledge to serve our customers better every day. We value the human factor as the most important for our operation and development.

Throughout these years we have successfully implemented a multitude of projects involving toll systems, teletoll and ITS, such as the tunnel of Coatzacoalcos, the beltway of Ciudad Obregón, the North Arc beltway, the North Pacific System, the Guadalajara - Colima Highway, the Bicentennial beltway of Toluca, the Venta - Chamapa beltway and the SSCV border vehicle supervision and control system, among others.

### THE FIRST SMART HIGHWAY OF MEXICO

In 2009 we inaugurated the **"First Smart Highway of Mexico"** which has various subsystems of toll and teletoll, security and control systems such as video surveillance, traffic monitoring, emergency communication SOS, variable information signs, etc..



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This highway that borders the Federal District has a final length of 223 kilometers, connecting the four states of Puebla, Estado de México, Hidalgo and Tlaxcala. The road is denominated "smart" due to the installation of a complex fiber optic network, capable of transmitting data in real time to the control center. Among other subsystems it has more than 150 cameras, traffic and speed sensors, weather stations, SOS emergency telephones, interactive kiosks and Internet access.



### WHAT MADE FLUX ITS CHOOSE PANDORA FMS?

The implementation of a monitoring system was a unanimous decision by the entire team as we were going to carry out one of the most important projects on Mexico's highways, and we needed reliability, safety and prevention. We were looking for a tool that would unify all our systems, in an automated way and without the need for major displacements.

What we were most concerned about when covering our monitoring needs was the compatibility with all types of devices and the implementation process, since we had a multitude of elements. We carried out a market study and finally we chose Pandora FMS because of the facilities the company offered us, the language in common, the direct treatment and the support.

### HOW WAS THE PROCESS?

The process was much simpler than we expected as the **Pandora FMS support team was always assisting us in whatever we needed.** The deployment was done in a short time and there were no incidents.

Pandora FMS gives us sturdiness, availability and ease of integration. **It is an easy tool to use and with it we have been able to cover all our needs** to automate the first smart highway in Mexico.

**+500**

MONITORING DEVICES

**50%**

SLA REDUCTION

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### TANGIBLE RESULTS AFTER THE SWITCH TO PANDORA FMS

**Pandora FMS allows us to monitor the integrated infrastructure with more than 500 devices.** Now we are able to quickly detect any anomaly and carry out the consequent repair, minimizing the downtime.

**We have been able to save time of the human resources for preventive works.**

What used to take several days to repair, now we get in a few hours, reducing our SLA by more than 50%.

The highway coordinators have reduced in half an hour the time of their revisions since with Pandora FMS we are able to see at a glance where the problem is.



For further information about Pandora FMS case studies, please visit our website:

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