PORTO ALEGRE AEROMOVEL IS CONTROL BY TABLET WITH THE ELIPSE MOBILE

Elipse Software technology allows monitor the speed, brakes and door of the vehicle that connects Salgado Filho Airport's Terminal 1 to Trensurb's train station

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NEEDS

In August 10 of 2013, the president Dilma Roussef was in Porto Alegre to participate in the ceremony that started the operations of the Aeromovel (*Aerodynamic Movement Elevated*). This is a pioneering project in Brazil, with national technology and carried by Aeromóvel Brasil company, which connects Terminal 1 of Salgado Filho airport to the Trensurb's train station, in a route of approximately 800 meters, it is able to carrying up to 150 passengers.

To perform this route safely and reliably, the Aeromovel counts on Elipse E3, a solution developed by Elipse Software. Through the software screens, operators can monitor the rotation of the blower that integrates the moving system, status of propeller valves, opening and closing station doors, position, speed, and brakes of the vehicle.

In order to improve that control, Aeromóvel Brasil decided to use, beyond the E3, the new technology Elipse Mobile. Software allows that operators will can access screens of the E3 application via mobile devices like smartphones and tablets. That new reality allows them monitor the vehicle independente of their positions, without the need of they will be localized in the operation room.

SOLUTION

Thanks to Elipse Mobile, it is possible to follow all variables monitored by E3 (speed, brakes, voltage, position, and opening or closing vehicle's doors). All these operations using a tablet or a smartphone in a quick, easy, and secure way.

"It is very easy to use. We all can use it normally, without problems," said Fernando de Melo Nunes, operational assistant at Trensurb.

www.elipse.com.br

Nunes monitoring pressure on brake's hydraulic system of Aeromovel
using his cell phone via Elipse Mobile

According to him, Elipse Mobile improved the reality prior to its usage. What sometimes demanded moving operation and maintenance teams now is performed in a fast and precise way, a benefit emphasized by Nunes.

"Previously, if I was on Aeromovel and wanted to get more details about vehicle's position or simply open or close its doors, this kind of operation was not possible. With Elipse Mobile, now I have quick access to all data and commands via cell phone," he said.

Nunes monitoring Aeromovel's functionality via Elipse Mobile

Possibility of operating the automation system, with access to vehicle's variables regardless of its location. That was the answer of Aeromovel's operational manager, Marco Antônio Casara, when questioned about what was the main improvement to his work and to the work of the other 14 colleagues authorized to use Elipse Mobile on their cell phones.

"This software perfectly fits the goal of the vehicle's automation system. The idea, now, is install it on A200 (the newest vehicle capable of transporting up to 300 passengers)," he revealed.

Aeromovel A200

AEROMOVEL

Pioneer project in Brazil, with national technology and managed by Aeromovel Inc., this vehicle operates seven days a week, from 5AM to 11:20PM. Currently, its ticket is integrated to train ticket and costs R$ 1.70. About R$ 37.8 million were invested by the federal government to finish this project, from automation to mechanical and functional parts of the newest transportation system in Porto Alegre. It is important to notice that, as this vehicle moves using an air propulsion system, there is no emission of pollutants to the atmosphere. More information on website www.aeromovel.com.br.

BENEFITS

- It´s able to access screens of E3 application by mobile devices. Thus, the Elipse Mobile allows that operators are able to monitor and control the rotation of the blower that integrates the moving system, status of propeller valves, opening and closing station doors, position, speed, and brakes of the vehicle via tablets e smartphones.

- Remote control of Aeromovel via tablets and smartphones, independently of the operator position.

- Software of easy instalation and programation.

- Simple and modern interface.

TECHNICAL INFORMATION

CLIENT: Aeromóvel Brasil S.A. and Trensurb

SYSTEMS INTEGRATOR: Aeromóvel Brasil S.A.

ELIPSE PACKAGE USED: Elipse Mobile

NUMBER OF LICENSES: 1

PLATFORM: Windows 8