



## CFL Becomes Eress' 9th EU Partner

Christian Zimmer, the Head of Digital Transformation at CFL Infrastructure, is the new CFLs' representative at Eress Steering Group. He explains the decision-making process. "Investment in public transport is one of the priorities of the current government which also decided to make public transport free of charge. To attract even more passengers towards railways we work on our efficiency, including the energy efficiency," describes Zimmer.

As a small railway country, Luxembourg cannot redevelop every technology, especially in the context of interoperability. Reliable and efficient solutions like Erex, operational since 2004, in countries like Belgium and Switzerland, make sense.

Eress Director, Dyre Martin Gulbrandsen, expressed his pleasure concerning the new partnership with CFL. "We are delighted that CFL has joined the Eress partnership. It shows how working together is more important than ever, both in terms of knowledge and cost-sharing."

Zimmer adds, "We expect that Eress will be well suited to help us set up both the data collection system and the settlement system to meet the legal deadlines."

### **Saving money**

Modern trains can produce power during braking. They can also save energy when parked or use less while moving. Erex provides accurate measurement of power consumption and power generation on trains anywhere in Europe. Thus, the train companies can save money by using energy efficiently while giving Europe a significant climate benefit.

### **EU requirements**

As of July 2020, the EU requires all countries to have a solution for trains to be able to use this type of saving technology. This must be facilitated by member states. Erex IT system is the only system that is fully developed. When train companies are allowed to use Erex, they can save up to 30% of their energy costs.

### **35 million households' consumption**

Trains are the means of transport that use the least of energy per passenger. Nevertheless, trains can become even more energy efficient. In Europe, trains use approx. 60 billion kilowatt-hours of power. Erex users can save between 15 and 30% of power consumption, which means that Erex can help saving what 35 million European households would use on electricity.

## Eress & Erex

### **Eress**

Eress is Europe's leading railway energy partnership. Its members are national infrastructure managers, that work together to standardise railway energy across Europe.

Eress is a non-profit, cost-sharing collaboration between Railways in Europe.

Today, Eress partnership consists of 9 countries: Spain, Switzerland, the Netherlands, Belgium, Luxembourg, Sweden, Finland, Denmark and Norway.

### **Erex**

Eress IT system. Erex makes possible to bill accurately the energy consumed by trains inside a country and across borders.



With Erex, the train companies can see how much energy each train uses - and produces. Newer trains can deliver back energy to the grid, because of the way they drive and brake. There can be major differences in driving style among drivers.

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