

The VIACON logo is displayed in white uppercase letters on an orange rectangular background. The background image of the top section shows a snowy landscape with a green dielectric fence in the foreground and a train in the background under a blue sky.

CASE STUDY

Powering a balance between wildlife and rail

ViaCon Lithuania helps fence in new railway to enable wildlife and infrastructure to co-exist

In 2020, a new dielectric fence was constructed to protect the newly constructed rail section between Livintai-Gaižiūnai in Lithuania.

THE CHALLENGE

New rail section construction changes the landscape and creates barriers for wildlife. Animal-train accidents pose significant risk for damage and loss of life. Wanting to avoid damage, knowing that a large number of wild animals traverse the area of rail construction, it was necessary to install a protective fence on the newly constructed section.

Because the railway line is electrified, a dielectric fence was required to deter wild animals.





CORRUGATED STEEL TANK HEADING TO INDUSTRIAL BUILDING IN DROBE ST, KAUNAS

THE SOLUTION

ViaCon engineers proposed a solution: a fence made of fiberglass. Italian company FIBRENET designed the new fiberglass fence, and the resulting fencing boasted:

- Low electricity consumption in production
- Environmentally friendly construction
- Durable construction for longevity

STAKEHOLDERS

Investor: AB „Lietuvos gveležinkeliai“
Designer: UAB „TEC Infrastructure“
Product: Dielectric fence system Fibrenet.
Producer: Company FIBRE NET S.P.A. (Italy)
Contractor: UAB „Geležinkelio tiesimo centras“

THE VIACON ADVANTAGE

ViaCon focuses on using renewable materials and more efficient construction for a reduced carbon footprint and the ability to live in harmony with the environment. With ViaCon, the new fencing solution delivered on its purpose, such as:

- Easier and faster to build, due to simpler structure
- Lower maintenance requirements
- Steel is 100% recyclable, contributing to the circular economy at end of life
- Reduced economic effects from rail damage and delayed or cancelled supply chain costs
- Fewer accidents, casualties and loss of life



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Consciously.**