

Pressurized Air Cable 145 kV, 3150 A

Busducts and wallbushing project in Brazil

**Build
2025**

**145 kV
3150A**

**3x1 ph
50 m**

Project description

- First overseas installation of Hivoduct's high-voltage wallbushing and busduct technology
- Only six months from proposal to grid connection
- Scope: 145 kV, 3150 A, 50 m busducts and wall bushings
- Engineered, delivered, installed, commissioned in Brazil
- Factory-tested prior to shipment and successfully passed HV tests on-site at first go
- On-line monitoring of pressure and temperature for continuous supervision of connection performance
- Fully compliant with international standards and local utility requirements

Result:

The project demonstrates Hivoduct's capability to execute complex international high-voltage projects efficiently, reliably, and to the highest quality standards.

"Working with Hivoduct was very efficient and professional: from design proposals and layout iterations to production, shipment and on-site installation. Although working on a very demanding construction site, the project was installed on time and high-voltage tests were passed successfully."

Quote from project manager of the customer.

Main ratings

- Transmission power: 780 MW
- Rated voltage: 145 kV
- Rated current: 3150 A
- Enclosure type: Single-phase
- Isolation medium: Pressurized Air
- Rated pressure: 10 bar
- Country: BRA

