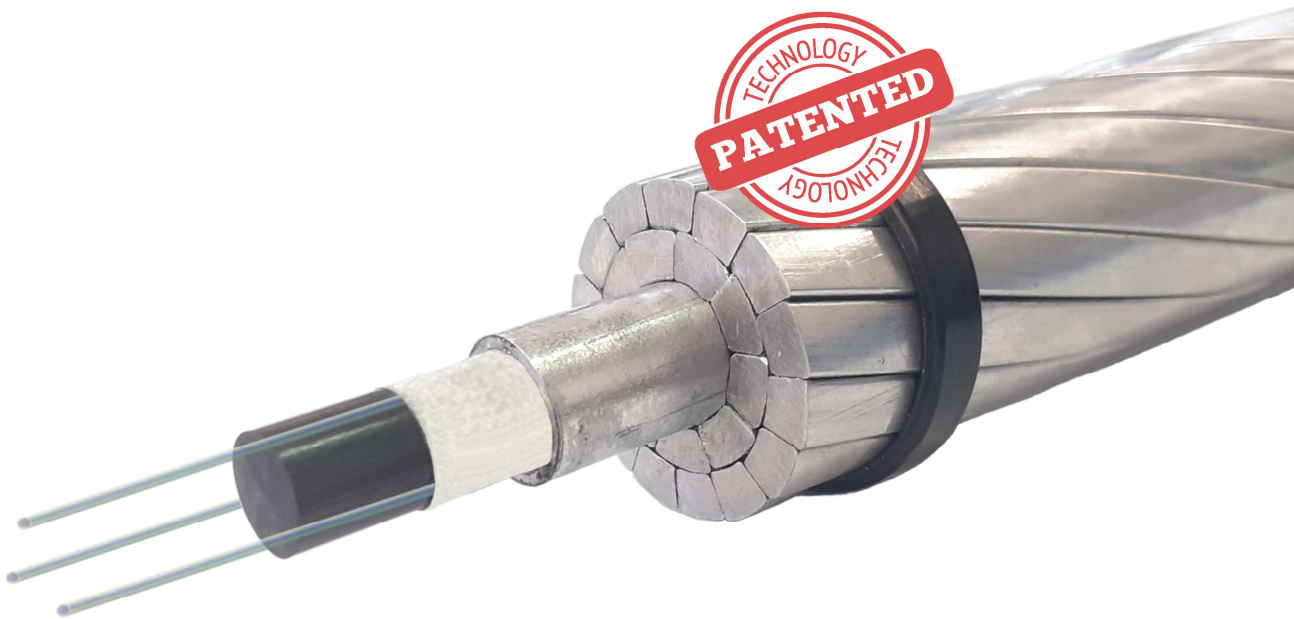


Advanced Technologies

# ACCS-SENS

Aluminum Conductor Composite Single  
with **MONITORING SYSTEM**



UNDER YOUR CONTROL

## Aluminum Conductor Composite Single with **MONITORING SYSTEM**

Design / Research and Develop Department

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### INTRODUCTION

The desire of the Utilities to monitor the power grids is growing, so De Angeli Prodotti **developed** and **patented** an innovative conductor with an integrated **monitoring system**:

#### ACCS-SENS®

### SCOPE

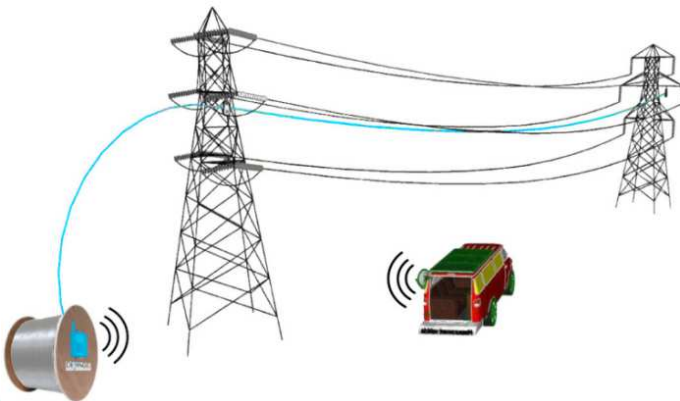
The ACCS-SENS® monitoring system technology aims to guarantee the integrity of carbon core **during the production to the installation**:

- **avoids damages** caused by bending with a real time monitoring;
- gives a significant increase of the **installation safety** of the conductors;
- **locates** in real time the position of eventual **damages** using a **specific instrument**;
- **Storage of data** for future analysis during the entire life of the conductor.

### ENGINEERING

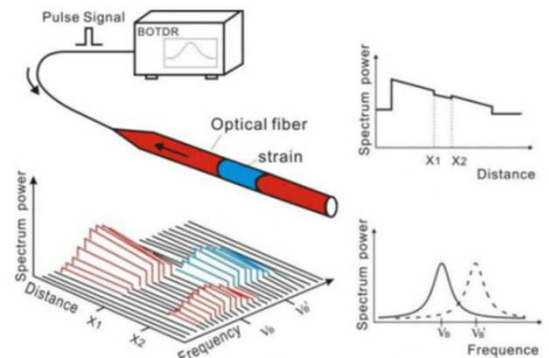
The monitoring system of the ACCS-SENS® uses the technology of the optical fibers.

Two or more optical fibers are integrated on the carbon core and connected to a machine with artificial intelligence, called **BOTDR**.



The **BOTDR**:

- **sends a notification signal** when the core reaches critic parameters;
- **distinguishes** in real time different types of **defects** on the core;
- is **connected to the fibers** just on one of the extremities;
- sends data to a PC using the **wireless connection**.



### OFFER

De Angeli Prodotti offers a complete package to our customer:

- **TAILOR MADE**: The R&D department can design **CUSTOMIZED ACCS-SENS®** with the monitoring system, suitable for the various needs of the customers.
- **EXPERTS**: will support you on the installation and the consulting of the OTDR.
- **FITTINGS**: together with conductor we supply the fittings: **compression clamps** are the most suitable and secure.
- **INSTALLATION MANUAL**: made by our engineers and customized for every item;
- **TRAINING IN CLASSROOM**: before the installation;
- **SUPPORT ON FIELD**: of our engineers;

Visit our web site or send us an E-Mail for more information:

[info@deangeliprodotti.com](mailto:info@deangeliprodotti.com)  
[www.deangeliprodotti.com](http://www.deangeliprodotti.com)