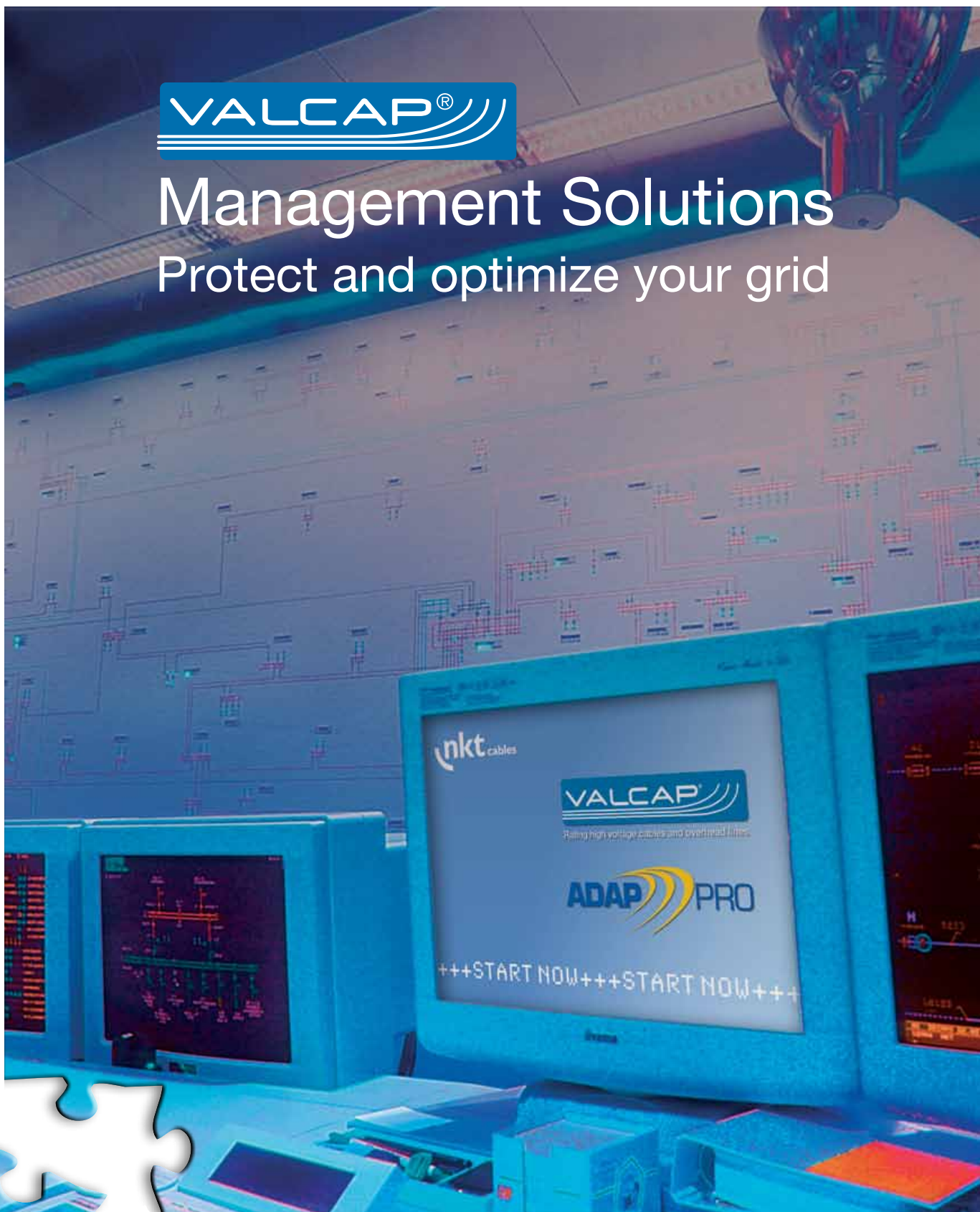


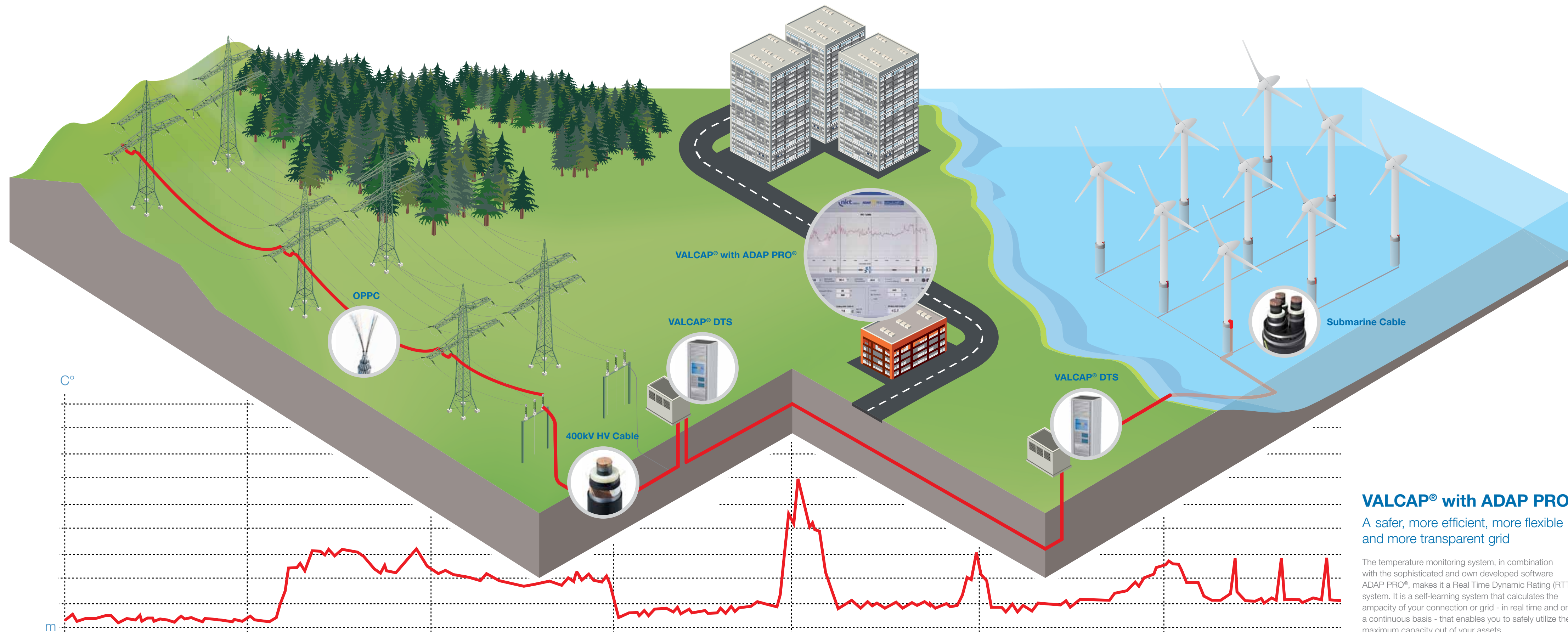
VALCAP®

Management Solutions

Protect and optimize your grid



Completing the picture



VALCAP® with ADAP PRO®

A safer, more efficient, more flexible and more transparent grid

The temperature monitoring system, in combination with the sophisticated and own developed software ADAP PRO®, makes it a Real Time Dynamic Rating (RTTR) system. It is a self-learning system that calculates the ampacity of your connection or grid - in real time and on a continuous basis - that enables you to safely utilize the maximum capacity out of your assets.

VALCAP® Management Solutions

Intelligent Cable System Solutions for tomorrow's grids

VALCAP® Load Management for Overhead Lines

“Acquire, save and display overhead line operating parameters with prediction of the maximum possible overhead line transmission capacity at any time”

VALCAP® for overhead lines enables to predict potential future load transmission capacity and therefore supports the most optimum and efficient utilization of the system.



VALCAP® Load Management for Land Cables and Submarine Cables

Today, the ampacity of transmission grids is restricted by thermal limits based on fixed and standardized parameters with high safety margins. Future grids especially focusing on renewable energy technology will require dynamic grid structures based on monitoring and control of cable systems.

The VALCAP® Load Management System is a unique technology offering these features by supporting the control of your grid. The system consists of a Distributed Temperature Monitoring System (DTS) based on integrated fibre sensing technology in high voltage cables for land and submarine applications. Furthermore the VALCAP® system continuously provides hotspot analysis along your cable track enabling a thermal picture along the cable route at any time.



VALCAP® Security Management

The VALCAP® Security Management System is the latest state of the art technology enabling to detect mechanical events like digging, drilling or impact of an anchor events along the entire cable route. The system opens entirely new possibilities for cable surveillance and safety. Features of this technology are:

- Real time – monitoring of mechanical events: Cable/Joints movement, contact, damage, third-party influence
- Simultaneous detection of events over the entire cable length
- Cable hazards avoidable by warning system
- Cable damage responsibility can be resolved
- Optimised service and maintenance



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