StatSoft completes network-wide quality control project for Vattenfall Poland with STATISTICA Data Miner

BACKGROUND
Vattenfall's Polish office deals with the business of energy origination in Central and Eastern Europe while developing its electricity trading activities on the stock exchanges and OTC markets in Poland, the Czech Republic, Hungary, and Slovakia.

http://www.vattenfall.pl/pl/index.htm

MISSION
Vattenfall Poland's parent company is Vattenfall A.B., whose vision is to create a strong and diversified European energy portfolio with sustainable, increased profits and significant growth options, and to be among the leaders in developing environmentally sustainable energy production.

CHALLENGE
In an effort to confirm the quality and accuracy of data collected via a centralized SONET computer system from across its vast energy network, Vattenfall Distribution Poland had concluded manual collection of 100% of the necessary data from all sites would be prohibitively costly and time-consuming.

HOW STATISTICA HELPED
During 2009-2011, Vattenfall Distribution Poland commissioned StatSoft Polska Sp. z o.o. to perform statistical and empirical analysis with the purpose of assessing selected data concerning the low voltage power network. Utilizing STATISTICA Data Miner, StatSoft's consultants selected representative elements of the power network from Vattenfall's centralized SONET computer system, which were subsequently checked on location. On the basis of the sample data, they calculated the parameters in which the Vattenfall team was interested, i.e., the indices of data quality.

More importantly to Vattenfall, STATISTICA's method of selecting a relatively small representative sample from SONET made it possible to generalize the results in respect to the entire group of examined elements.

RESULTS
Thanks to [STATISTICA's algorithm method], it became possible to reduce considerably the costs and time of this project...without the need to check all our network appliances on location.”

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Deputy Director, Network Maintenance
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