

**The 13<sup>th</sup> International Workshop on Electric Power Control Centers  
Bled, Slovenia, May 17-20, 2015**

## **SCADA Lifecycle Management**

**Ivo Kuijlaars,  
DNV GL**

### **Abstract**

Expectations of a newly commissioned SCADA/EMS/DMS/OMS system are high. A new system offers new functionality, new interfaces to corporate IT systems and improved access to real-time data. In many cases however, the benefits of the new system are not fully gained and the business case for the system decreases over time. This can be caused for instance by reluctance to alter business processes, inadequate user training and failure to keep documentation up-to-date.

This presentation proposes a SCADA lifecycle management quick scan for SCADA system owners, to ensure optimal usage of the SCADA/EMS/DMS/OMS system throughout its lifetime. The SCADA lifecycle management quick scan includes 3 reviews. Firstly, the system requirements are reviewed against the operational system usage. Then, the business case is reviewed against measured key performance indicators. Finally, the system- and user documentation is reviewed against the actual functionality of the system. As a last step, the results of the quick scan are compared with industry best practices. The SCADA lifecycle quick scan provides valuable recommendations for improvement of the overall system effectiveness.