



## Schneider Electric selects SQuORE to manage software quality

With testimonial of Mr. Bruno Bec, Software Efficiency manager, Schneider Electric Strategy & Innovation division, France

*"Easy to use, offering a dynamic and complete quality measurement process, the SQuORE platform was quickly adopted by teams of various size, culture and maturity, developing a huge range of products, from big incorporated software in integrated energy management solutions to embedded software in Schneider Electric's products or equipment.*

*SQuORING is a qualified, creative and flexible partner, our collaboration is a long term project."*

### About Schneider Electric

Schneider Electric is a world leader in energy efficiency, focused on making energy safe, reliable, productive, efficient and green.

Between energy generation and its usage, Schneider Electric provides technology and integrated solutions to optimise energy usage in markets like energy & infrastructure, industry, data centres, buildings and residential.

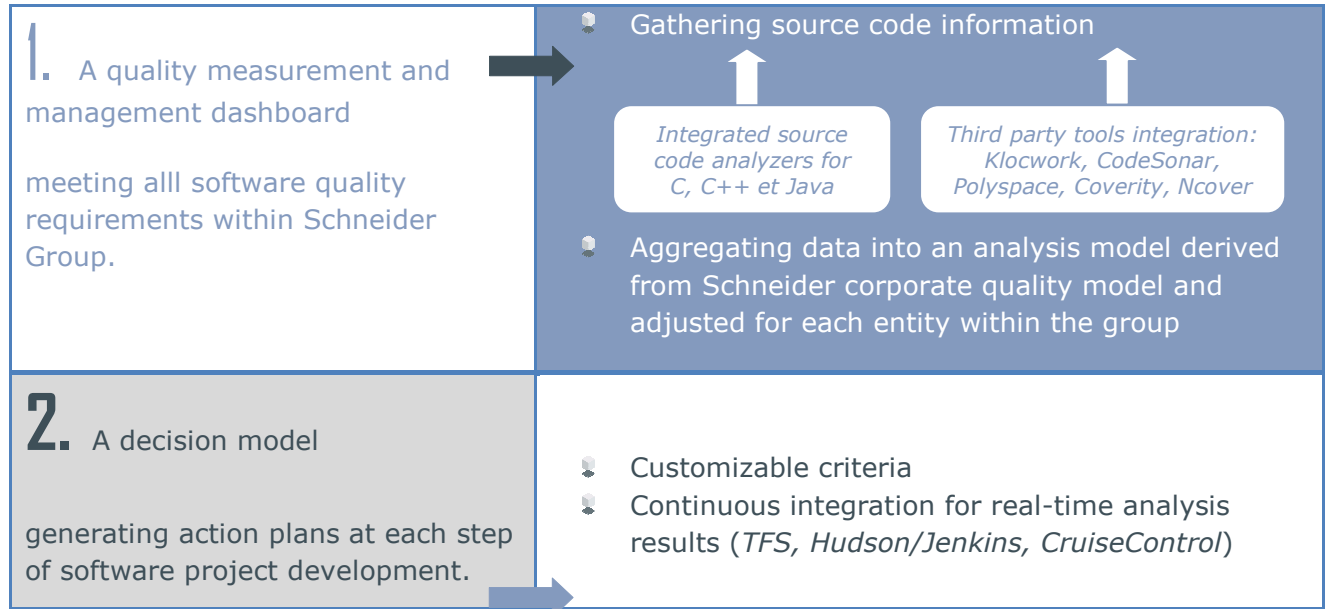
With a unique portfolio in electrical distribution, industrial automation, critical power & cooling, building management and security, Schneider Electric is the only global specialist in energy management.

### *Implementing a unique software quality measurement and management solution for 3000 R&D staff members in the world*

The SQuORE platform was adapted to the technical environment of Schneider Electric, to answer the group's requirements throughout the world. The solution consists in a unique supervision and reporting tool, which includes relevant criteria defined by Schneider group, and analyzes not only data relative to software quality measurement, but also relevant data to allow improvement decisions to be taken at every phase of project development.



*The SQUORE solution: global software projects management driven by a standard indicator based on code technical debt*



## *Benefits*

### **A worldwide and long term software applications quality management**

- A global performance indicator
- Criteria adapted to each use and level of information
- An accurate and real-time software quality management

### **A higher productivity of software development teams**

- An impartial evaluation, integrated in the software development process
- A collaborative dashboard with intuitive charts
- Direct navigation towards relevant information : drill down, access to risky construction in source code
- Automatic generation of prioritized remediation plan



## Testimonial of Mr. Bruno Bec, Software Efficiency manager, Schneider Electric Strategy & Innovation division, France

### In which context did you need SQUORE solution ?

*"Since 2007, Schneider Electric strategically moved from its traditional electrical devices manufacturing activity to a position of global solution provider in energy management. Our new smart grid solutions require high performance software tools. Just think that we provide technology and integrated systems to optimize energy usage in markets like industries, hospitals, data centers, buildings...reliability is a main issue for any energy management system. In a fast changing and challenging environment, we needed to integrate a tool able to provide an objective and shared evaluation of our software applications quality. "*

### What is the link between SQuORE deployment and Schneider innovation policy ?

*"We must be innovative at every step. Innovation is never only technologic. Our challenge is to assist the fast growth of our software R&D teams, which grew up from 700 to 3000 persons in less than four years. The highest priority for us is thus to adapt our organization and managerial practices, and to share our best practices, and working methods.*

*Software quality control represents a strategic point for the future of our company. In this context, we had to transfer to our own culture the software quality proven methods already used in aeronautics, space, nuclear or automotive industries, and to adapt these expert technologies to our own developing teams, project managers and quality managers. And all that while ensuring high performance and profitability objectives, in a very competitive marketplace."*

### What kind of constraints did you have to face ?

*"Managing such a method process change from Grenoble is a big challenge, we have to address disparate teams of various sizes, cultures and maturity levels, developing a wide range of products of different nature... a real revolution in our practices !*

*We chose to work with SQuORING Technologies because the team totally understood our needs: sharing a reliable, flexible, simple, and user-friendly tool in a very short term."*

### What are the next steps of the project ?

*"The platform was initially trialed in Sweden, Germany, the US and France from late 2010 onwards, under the supervision of the Schneider Electric Strategy and Innovation Department. The positive reactions of the teams who were trained on it demonstrated the added value of using SQUORE not only in terms of the quality and performance of the software developed, but also the efficiency of their work. It is now in the process of being rolled out to all 3000 staff in Schneider Electric's software R&D teams. Knowledge of how to use the tool is being passed on directly in their respective entities by the original teams who were trained on its use. It is estimated that the full implementation will take two years."*

### Do you have further perspectives following the full integration of the SQUORE platform ?

*"Following the adoption and validation of SQUORE within our software development teams, we intend to use SQUORE to measure the quality of the whole software development process, from customer requirements management to validation phases. We will then address other types of stakeholders and will continue to rely on SQUORE and SQuORING Technologies people to assist us."*