



Title: Making the most of ICT for Green: Energy transformation and management for telecom networks

Abstract:

In any industry, if you want to be green, you need ICT technologies to assess, analyse and optimize dynamically your infrastructure, processes and results and share these improvements with the worldwide community. But leveraging ICT towards a greener business can only be afforded if ICT itself proves efficient. With the increase of subscriber' usage and coming development of machine-to-machine, telecom operators need to address data traffic booming and correlated energy costs. Current situation is already very challenging in emerging markets, where deployments of sites with poor electricity grid or completely off-grid are confronted with the high costs of traditional diesel power which has a major impact on operational expenses and quality of service. In off-grid and poor-grid scenarios, energy related failures often result in over 50% of the telecom outages. The trend for full energy transformation of telecom networks is growing, to ensure they are ready to face current and upcoming energy challenges. It also paves the way to new business models, where telecom operators outsource their energy challenges to better focus on core telecom goals with the assurance that they will be sustainable for both their stakeholders and the planet.

Bio:

Christophe Grangeat is leading the Innovation & Partnerships team of Alcatel-Lucent's Green & Energy Transformation solutions. Since 20 years, he has been developing expertise in the domain of environmental sustainability, health and safety for telecommunications. He has participated in European and national research programs and contributed to international standard organizations such as IEC, CENELEC, ITU, ETSI and IEEE. He held leadership positions in national and international industry associations. He is a developing new technologies and solutions for the management of energy characteristics of telecom networks, their global energy consumption reduction and the increased usage of alternative energies.