

Assessment of the future carbon impact of project innovations



- Nigel Wall
 - Email: nw@nigel-wall.co.uk
- Climate Associates Limited
 - Web: www.climate-associates.com
- UK – based micro-SME
- Track record
 - Expertise on measurement, audit and design optimisation of whole life carbon impact of ICT implementations.
 - Experienced in Framework projects.



CAL's Core proposition



- CAL has a track record of assessing operational and whole-life energy efficiency and carbon footprint in the ICT sector
- CAL is a partner in the FP7-ICT-2011-8 project Broadband Access via Integrated Terrestrial & Satellite Systems – leading the energy efficiency aspects.
- Nigel Wall joined CAL to broaden expertise on ITS (Intelligent Transport Systems) as a carbon mitigating technology.
- We are keen to join a project to lead a work-package to assess the “carbon impact” of proposed innovations.

CAL's Track Record



- Systems engineering consultancy established in 2009
- Active participation in developing recommendations and standards within ITU-T (SG5) and ETSI.
- Advice to commercial organisations (including British Telecommunications) on improving energy efficiency and mitigating carbon impact.
- Energy Policy advice to UK and Ghanaian Governments.
- CAL is a partner in the FP7 BATS project.
- Individual CAL Directors have wider experience prior to the formation of CAL.

Introducing CAL's Directors



- Dr Keith Dickerson
 - leads work on “ICT and Climate Change” in ITU-T SG5,;
 - Member of ETSI Board leading on Sustainability and Energy Efficiency
- Dr Dave Faulkner
 - co-convenor of ITU-T Joint Coordination Activity on ‘ICT and Climate Change’.
 - Advised Ghanaian government on energy efficiency for ICT.
- Nigel Wall
 - expert on Intelligent Transport Systems in ETSI ITS, CEN 278 & ISO TC204.
 - Previously involved in FP6 project SISTER = Satellites in Support of Transport on European Roads.
 - Established highly successful Shadow Creek Consulting in 2001.

CAL's Project Ideas



- Assessment of the carbon impact of ITS innovation such as Cooperative Advanced Cruise Control; cooperative urban traffic signals; etc.
- Carbon Assessment of advanced railway signalling intended to improve capacity, safety and environmental impact.
- Understand the impact of stratospheric water vapour released by aircraft, and its possible mitigation.