HiWi/WiHi

How Can Cloud-Based Solutions Make the Energy Sector Smarter

**Keywords:** Cloud-based platform, FIWARE, Open source platform, Smart Grids, middleware-based platform.

**Context:**

In the framework of the research project FISMEP (FIWARE for Smart Energy Platform); the Institute for ACS concentrates on the development of a cloud platform in the area of smart grids. FIWARE is an open source platform, which provide set of generic enables (GEs) to accelerate platform development in various sectors. This project is composed by three different trial test in Europe in which German use case aims at controlling smart grids and deploying their automation in the cloud-based platform.

http://www.fismep.de/
http://www.acs.eonerc.rwth-aachen.de/go/id/pldn/lidx/1

**Your Tasks:**

Establish possible integration of existing smart grid algorithms to the OpenStack cloud infrastructure by using existing FIWARE components. Evaluation and comparison of GEs and solutions.

**Profile:**

Programming skills in Python/C/C++. Knowledge about networking, protocols and OpenStack is an advantage.

**Contact:**

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