

Summary

Knowledge is power.

Radio spectrum regulators, faced with the legal requirement to make the most efficient use of resources, all face the same issue of identifying and quantifying the factors that make a country's communications work; in tandem with this, they must also ensure that all elements work efficiently and without interfering with each other. To achieve that, they require detailed and accurate knowledge.



Challenge

A European regulator needed to know the location, purpose and power of each base station in its country. In addition, because of the nation's strong tradition of open government, it was important for the regulator to be able to publish this information for public scrutiny and comment. ATDI's task was to find a way of collating data from the competing companies using the spectrum, then to establish how to integrate that information into the regulator's existing systems and, finally, to present the figures as a workable database which could be accessed, searched and updated via the current spectrum management system.



Strategy

ATDI engineers analysed the process of importing external operator data into the database management system of ATDI's ICS manager software tool. The procedures created utilised the new Harmonised Computer Method (HCM) functionality component within ICS manager. Thus, on receipt of information about the base stations from operators, the regulator was able to import, access and amend data as required. The end result was a database incorporating every tower and its function across the country. This enabled the regulator to ensure appropriate provision of radiocommunications services across the nation while assuring the Green lobby that power was not being wasted nor were the population being subjected to unnecessarily emissions.



ATDI: controlling data and putting it to work