

## **The economic crisis and the urban electric power curve demand**

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### **1. Brief introduction.**

The economic crisis is usually studied from points of view of economic growth evolution, of employment creation / loss, etc. This paper is oriented from a technological perspective. In it, the evolution of several of the most significant variables in the load curve is studied, before and during the crisis of the Spanish economy. So, the aim of this paper is to identify the economic crisis throughout the analysis of the power curve demand of an urban low voltage (LV) substation. The analysis is centred on the most representative characteristics of the profiles which have changed, comparing the load curve of days with similar meteorological variables.

All the conclusions are extracted from the study of a real database, generated from the measures taken by means of a power quality analyzer, in a "representative" LV substation, from the year 2000 until the present. The main conclusion is that the economic crisis has been reflected in the power curve demand.

### **Key words**

Economic crisis, load curve, urban electric power demand.

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