THE RISE OF SMART CITIES

With the widespread application of sophisticated information and communication technologies, the concept of creating a 'smart city' has been proposed as the ultimate goal that large cities would seek in their future development. A 'smart city' could largely improve the quality of life and the performance of urban services. For example, it has brought local residents a more efficacious and user-friendly public transportation system. In Barcelona, a new bus network has been designed to utilize vertical, horizontal and diagonal routes with a number of interchanges, based on the analysis of the most common traffic flows. Also, when smart traffic lights are set up and the traffic management software is installed, the number of green lights on each street has been optimized to avoid traffic congestion as well as to allow ambulances to reach incidents without any delay.

sophisticated adj.

这个词形容人的时候往往是负面的"老奸巨猾的"但是用来形容其他方面可以表示比较精密，复杂的。

ultimate goal

终极目标

efficacious adj.

另一个词表达有效的

vertical, horizontal and diagonal routes

三形容词并列可以丰富内容，"水平的，垂直的和斜对角的"

optimize v.

优化

traffic congestion

traffic jam的表达太老土了