

Enterprise

BUILDING PRODUCTIVITY AND SERVICE COST EFFECTIVELY THROUGH MOBILE BROADBAND

– HSPA enhances Skanska's work efficiency



Skanska, the international construction group, has rolled out mobile broadband based 3G to more than 1,000 of its field workers and support personnel in Sweden. Of these, several hundred have been equipped with High-Speed Packet Access (HSPA)-enabled devices that enable them to communicate complex information in real time, without the need for fixed broadband connections at some smaller job-sites. The result has been a boost to productivity, cost savings and improved customer service.

Founded in 1887, Skanska is one of the world's leading construction groups, with 2006 revenues of SEK126 billion and around 56,000 employees. Its main business is construction and development in business and residential projects, as well as public-private partnerships.

Skanska's home markets are Sweden, the USA, the UK, Denmark, Finland, Norway, Poland, the Czech Republic and Latin America, where the company's goal is to become a top player in terms of size and profitability.

Broadband anywhere, anytime

In the modern construction environment, being connected in real time to head office, clients, partners and suppliers is as important as in any other business. Field staff needs to be able to communicate information immediately to report on progress, handle orders, approve purchases and liaise with architects and designers while on site.

By the end of 2007, over 1,000 of Skanska's employees in Sweden had been equipped with mobile broadband cards where HSPA provided ubiquitous broadband connectivity for mobile workers much more cost-effectively than proprietary mobile data solutions.

Immediate benefits

The first benefit of mobile broadband to Skanska was an immediate one. Normally when the company prepares a site for development, a fixed-line connection is installed to provide voice and data services. This can take a month or more.

Now, with mobile broadband, on-site computer and communication equipment can be up and running immediately. There is no need to spend time digging out fixed wires, or for staff to commute to the nearest broadband connection. Across Sweden, Skanska has reduced the number of fixed line installations by 30 per cent.

A longer-term benefit is improved efficiency of day-to-day operations. Workers are able to access information immediately when out in the field or at customer location. They are able to handle orders and get purchase approvals immediately with access to the company's intranet and booking and ordering systems. It takes much less time for Skanska employee to compile and submit daily, weekly and monthly reports. Time reporting and payroll preparations are also quicker and more accurate.

Having instant access to complete and up-to-date information on a project enables fast, accurate decision making, and enables Skanska employees to be more responsive to customers. Mobile broadband technology also allows Skanska to produce timely and actionable field reports, so customers are kept fully up to date.

What is more, the quality of information captured in field reports is improved, as data can be input immediately: there is no need to re-key information

from hand-written notes. Progress tracking is much simpler and quicker and there is less time and effort required from inspectors – site inspections can even be carried out via webcams.

Overall employee productivity is improved, as projects can start and finish much quicker.

In a highly competitive industry like construction, every opportunity to save costs, cut lead times and enhance satisfaction is a must. Skanska, with HSPA-enabled mobile broadband can deliver all these benefits, with only minimal disruptions to existing working practices and employee behavior.



About HSPA

HSPA is an evolution of WCDMA that today offers peak data rates of over 14 Mbps (current commercial devices supports over 7 Mbps) in the downlink and up to 2 Mbps in the uplink. Once the WCDMA 3G networks has been upgraded to HSPA – mostly through software changes – customers can get single-network high-speed broadband connections from their HSPA-equipped laptops or other devices wherever there is coverage. There is no need to negotiate deals with multiple providers over multiple networks that provide only hot-spot coverage. HSPA Evolution will increase current HSPA speeds to 42 Mbps on the downlink and 12 Mbps on the uplink within the coming years.

Mobile Broadband enabled by HSPA – enhancing productivity and efficiency for Enterprises.

**BROADBAND EVERYWHERE
AND FOR EVERYONE**