

Ericsson unveils innovative ‘green’ base station site concept with Scandinavian design

Ericsson (NASDAQ: ERIC) today unveils an innovative radio base station site concept that is not only better for the environment but more cost-efficient to adopt and run, and more attractive to look at.

The modern design, from renowned Scandinavian architect Thomas Sandell, is a completely new approach to site architecture – the 5m-diameter, 40m-high flexible concrete tower encapsulates all radio base station equipment, including the antennas.

The aesthetics of the site concept, named the Ericsson Tower Tube, have been further enhanced by the choice of construction materials. The flexible concrete tower can be colored and branded to the operator’s specific needs to either blend in with its surroundings or become an attractive landmark for the local community.

And the concrete itself has a lower environmental impact than traditional steel, producing 30 percent less CO2 emissions during production and transportation.

Diverging from standard design, the radio base station is placed at the top of the tower cutting the distance between it and the antenna. This gives capacity and coverage benefits for the cellular network and can together with the fact that no active cooling is needed reduce energy consumption up to 40 percent.

Furthermore, as the new design occupies less land, 60-75 percent less than conventional sites, site acquisition is easier. Being a self-contained structure, operators can also avoid the need for security fences and the cost of maintaining and patrolling them.

Ulf Ewaldsson, Vice President and Head of Product Area Radio, Ericsson, says: “The appearance of radio base station sites has not really been considered before. They have essentially been a steel tower and a container surrounded by a chain-link fence.

“With this new approach, we not only create a more attractive look for this essential piece of community architecture, but we have also developed a design that is better for the environment and more cost-efficient to run.”

NOTES TO EDITORS

Images will be available at:

www.ericsson.com/ericsson/press/photos/index.shtml

Find more about the Ericsson Tower Tube at:

www.ericsson.com/towertube

(Will be available from 15.00 CET today)

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Ericsson Media Relations

Phone: +46 8 719 69 92

E-mail: press.relations@ericsson.com

About Thomas Sandell

Thomas Sandell is one of Scandinavia's most celebrated architects and designers. His work is known globally thanks to collaboration with clients such as Electrolux, Capellini, Helly Hansen and IKEA. Sandell is a member of the board of the Royal Institute of Technology in Sweden. His most recent project is the controversial development of a circular bathhouse in Stockholm.