



Press Release

Capesso™ Product Range

Symena announces a product range that fully exploits the potential of Smart Antenna technologies in 3G networks.

19 February 2003, VIENNA, Austria

Symena, the 3G radio network optimization specialist, announced today that it would split Capesso™ into a number of products that fully exploit current and future base station technologies.

Capesso™ Blue lets network operators take full advantage of the technologies currently available in 3G networks. **Capesso™ Blue** finds the optimal configuration of a network equipped with conventional 3-sector base stations. It enhances the value of manual tilt and remote electrical tilt (RET) antennas by telling operators how to adjust the antenna tilt, azimuth, handover and power settings for a situation.

“3G radio technologies are all interference limited systems,” said Dr Thomas Neubauer, Managing Director of Symena. “This means that whenever a new base station is added to the network the old ‘tuning’ will be made sub-optimal because interference in the network changes. **Capesso™ Blue** can automatically calculate the amendments required to bring performance back to its peak. Easily tilted antennas radically lower the cost of making those adjustments.”

Capesso™ Orange extends the capabilities of **Capesso™ Blue** to networks with Smart Antennas. It isn't expected that Smart Antennas will be available for 3G networks until 2004. Smart Antennas can more than double a cell's throughput but at a higher cost. **Capesso™ Orange** finds:

- The optimal number of Smart Antennas for a network in terms of the greatest benefit for their higher cost;
- Where best to deploy them; and
- How to adjust both the Smart Antenna and the conventional antenna operating parameters to get the most value from both.

“**Capesso™ Orange** is an enabling step in getting Smart Antenna out of the lab and into networks,” said Dr Neubauer.



ABOUT SYMENA

SYMENA'S network performance enhancement tools deliver significantly improved coverage and capacity with reduced capital expenditure. This promise depends on leading edge knowledge of the latest mobile phone standards and technologies combined with automated optimization expertise. Symena's Capesso™ range helps operators deploy the latest performance enhancing technology in the most effective way. Testing indicates that optimal configuration of a 3G network can improve its performance by more than 30%. Symena's knowledge is built on the work of world class European research and development institutions.

You can learn more about Symena at www.symena.com

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