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## **Newtec to unveil world breakthrough in modulation and coding at IBC with the launch of 4CPM**

Newtec will unveil next week at IBC in Amsterdam its revolutionary 4CPM modulation and coding scheme, which dramatically increases the speed and bandwidth efficiency of the return link of Newtec's Sat3Play<sup>®</sup> system.

The 2007 Frost & Sullivan Award winning Sat3Play<sup>®</sup> Satellite Broadband system is a low cost solution, providing Broadband Internet Access combined with Voice Over IP services to home-users in regions where terrestrial DSL infrastructure is not available or of poor quality. The Sat3Play<sup>®</sup> user terminal is extremely cost efficient and self installable by the consumer, using Newtec's patent pending Point&Play<sup>®</sup> satellite pointing device.

The introduction of this new modulation scheme is the result of nearly three years of engineering, and was developed in cooperation with the French university Telecom Bretagne and the Italian universities of Parma and Bologna. Newtec's subsidiary TurboConcept in Brest (France), designed and implemented the core 4CPM algorithms.

*"We believe that not only is the terminal the most cost-effective in the world today but given that it can be self-installed and has very low power consumption its price/performance ratio makes it a real market leader,"* said Newtec's CEO Serge Van Herck.

4CPM enables return rates of up to 1 Mbps and higher, which makes the terminal now not only a perfect fit for the consumer market, but also suitable to the professional market. Next to the increase of the return rate, 4CPM also improves the return-link bandwidth efficiency, resulting into a significant lower cost of the used satellite capacity.

4CPM further leverages the robustness and low complexity of the Sat3Play<sup>®</sup> system and with the environment in mind, enables at least a 50 % power consumption reduction compared to industry standard linear modulation schemes such as QPSK using output power back-off. All currently installed Sat3Play terminals can be upgraded with the new 4CPM modulation, by simple software download over the satellite.

Ends.

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## **ABOUT NEWTEC**

**[www.newtec.eu](http://www.newtec.eu)**

Newtec is the European market leader in Satellite Communications, offering highly reliable products and solutions including DVB-S2 modulators and modems, Digital TV & Radio Distribution and Exchange networks, IP Broadband Access Networks as well as software solutions for the optimization of Internet traffic to customers worldwide.

With its ambitious policy of re-investment in R&D, Newtec is recognized as a forerunner in several innovative satellite communication technologies, which have been published as industry standards (DVB, DVB-S2, DVB RCS and iSatTV Cenelec pr EN50478).

Established in 1985, and headquartered in Belgium, the company has regional offices located in Stamford (US), Singapore (Singapore), Beijing (China), Dubai (UAE) and São Paulo (Brazil). Newtec's Tellitec® IP software products for Internet traffic optimization and data communication are engineered in Newtec's research and development facilities in Berlin (Germany). Newtec's subsidiary TurboConcept in Brest (France), develops Intellectual Property Cores for turbo and LDPC building blocks.

Newtec's products and technologies will be demonstrated at IBC 11<sup>th</sup> until 15<sup>th</sup> of September in Amsterdam, the Netherlands. For more information visit: **[www.newtec.eu/IBC2009](http://www.newtec.eu/IBC2009)**.