



**8 September, 2008**

## **NEWTEC UNVEILS REVOLUTIONARY ACM TECHNOLOGY AT IBC2008**

*FlexACM, a new solution for implementing Adaptive Coding and Modulation, reduces cost, complexity and bandwidth wastage*

Newtec, a world-leading innovator in the satellite and communications industry, has today announced the launch of FlexACM, a new solution that allows simple yet very efficient implementation of ACM (Adaptive Coding and Modulation) in IP trunking and IP backbone systems, at IBC2008 in Amsterdam (11-16 September).

This unique solution, which is the first of its kind, allows implementation of ACM in both point-to-point and point-to-multipoint configurations, for unidirectional as well as bidirectional links. The introduction of FlexACM marks another step forward for adaptive coding and modulation technology; previously the complexity of ACM meant that no commercial systems were available for point-to-point and point-to-multipoint SCPC/MCPC systems.

FlexACM for point-to-point applications consists of a controller option enabled on a Newtec Elevation modulator, and a client option enabled on the Elevation IP demodulator, which then automatically communicate with each other. In point-to-multipoint systems, the IP traffic is distributed to several receiving points on a single carrier. Each receiving point then provides feedback on the local reception condition, and the FlexACM solution will automatically and dynamically select modulation parameters for each IP packet, depending on its destination.

The efficiency of FlexACM relies on Newtec's very advanced and patent pending noise and distortion estimator (NoDE) technology embedded in each demodulator, and on an intelligent integration of adaptive traffic shaping, IP encapsulation and traffic enhancement software in the heart of the ACM system.

Newtec CEO, Serge Van Herck, said *"Here at Newtec we value our reputation for innovation and forward looking solutions, so we are extremely proud to unveil further improvements to the already valuable ACM solution in the form of FlexACM, at IBC."*

*"FlexACM enables all the benefits of the original ACM technology, including an increased throughput of more than 100 percent and a continuous service even during extreme weather conditions such as heavy rain, without the complex implementation and equipment required, allowing the solution to be commercially available to satellite network operators and ISP's for the first time,"* concluded Van Herck.

ACM technology is incorporated into the DVB-S2 standard, providing significant increases in bandwidth efficiency for satellite applications and allowing modification of modulation parameters of a satellite signal wherever necessary, without interrupting the transmission or losing data.

# Press Release . Press Release . Press Release . Press Release

Visit Newtec at IBC2008 at Stand 1.A 49. More information about Newtec's IBC participation is available at [www.newtec.eu/ibc2008](http://www.newtec.eu/ibc2008).

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For more information please contact:

Max d'Oreye

VP of Marketing

Tel: +32 3 780 65 00

E mail: [mdo@newtec.eu](mailto:mdo@newtec.eu)

## **About Newtec**

Newtec is one of the market leaders in Satellite Communications, offering highly reliable products and solutions including DVB modulators, Digital TV & Radio Distribution networks, interactive TV networks and IP Broadband Access Networks 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 Genelec pr EN50478).

Established in 1985, and headquartered in Belgium, the company has regional offices located in Stamford (US), Singapore (Singapore), Beijing (China), Dubai (UAE), São Paulo (Brazil) and Johannesburg (South Africa).

More details are available at [www.newtec.eu](http://www.newtec.eu)