



TurboConcept company profile

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TurboConcept specializes in the development of hardware implementations of advanced Forward Error Correction schemes, with a strong focus on turbo codes and LDPC codes. The company is a spin-off from ENST Bretagne, inventors of turbo-codes are shareholders of the company.

The commercial portfolio available spans a large variety of advanced FEC techniques:

- DVB-RCS turbo encoder/decoder
- DVB-S2 LDPC-BCH encoder/decoder
- Turbo Product Codes
- Wimax (IEEE 802.16 d/e) turbo encoder/decoder
- CCSDS turbo encoder/decoder

The Cores are proposed to equipment manufacturers as FPGA netlists or ASIC Cores, along with integration services.

TurboConcept has strong relations and partnerships with a large industrial community among satellite manufacturers, and is involved namely in two ESA projects (“Joint Turbo Decoding and Carrier Synchronisation” and “ACM Modem Demonstrator for Broadband Communications”). TurboConcept participated actively to two major satellite standards (DVB-RCS and DVB-S2).

TurboConcept was incorporated in 1999, has offices in Brest France and currently employs 6 people.

TurboConcept joined PraCom mid-2006 to strengthen its long and mid-term research activities, and remain at the forefront of innovation in digital communications.

For more information about the company or its products, please visit www.turboconcept.com .