

Engineering, Development & Manufacturing Industrial Electronic & Radio-frequency Transmissions Equipments & Systems

Company

NORCAST is a french company, whose general and projects managers have more than 25 years experience in design and integration of electronic hardwares, softwares and mechanical solutions in fields of industrial electronic and transmissions : acquisition and radiofrequency systems, test and measuring equipments for radiocommunications and broadcasting networks,...



Offer

Following the specific requirements of the customers, NORCAST designs, developps, manufactures, tests and qualifies systems and equipments integrating hardware and software modules.

NORCAST analyzes the requirements of customers and describes the required fonctionnalities.

The specifications written by the customer or Norcast describe the fonctionnalities, performances and cost targets.

NORCAST can also advise the customer with competition analysis and the targeted performances of the products to be designed.

NORCAST offers :

- Solutions according to customers requirements with otpimisation of ratio performances/cost
- Customers satisfaction with delivery time and quality of products

NORCAST makes a commitment to be a reliable partner for its customers :

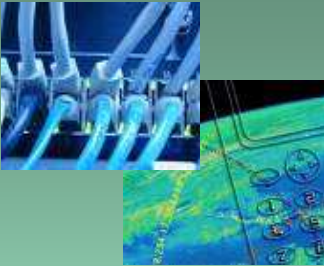
- Robustness and reliability of proposed solutions
- Follow-up of project progress
- Take into account feed-back from customer in any circumstances

- **Engineering of systems and equipments**
- **Analogue and digital signal processing**
- **Embedded software and GUI (graphical user interface)**
- **Mechanical design and Integration**

Services



Know-how

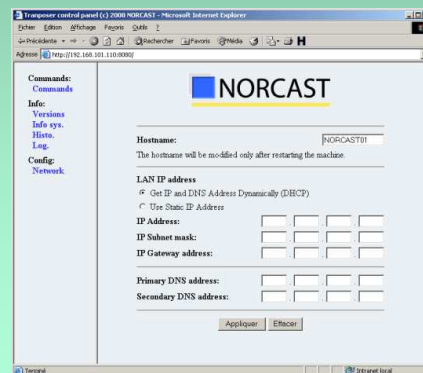


Engineering of Systems and Equipments

- Customer requirements analysis and specifications writing
- Engineering and development
- Prototypes manufacturing
- Products test and qualification
- Cost reduction
- Documentation
- Homologation (CE,...)

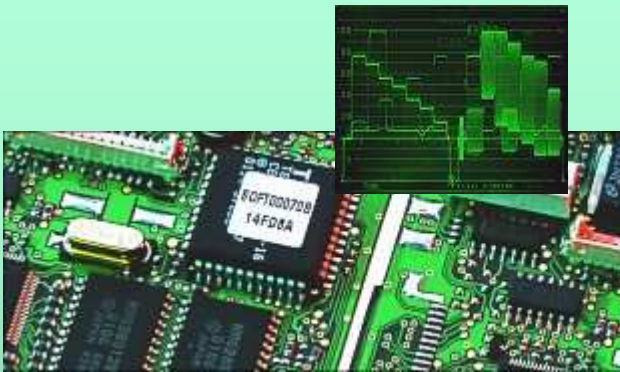
GUI & Embedded Applications

- Embedded software (web server,...)
- Software programming : Linux C++ , assembler, C, microcontrollers,...
- Real-time signal processing
- Communication : Ethernet,USB,RS232,IEEE



Analogue and Digital Signal Processing

- Design and development of electronic boards with analogue and digital functionalities, from DC to several GHz : processing of small signals, radio-frequency signals : amplification, filtering, modulation, demodulation, multiplexing and demultiplexing, frequency synthesis, frequency conversion, digital signal processing,...
- Electric isolation, integrity of signal, EMC constraints are carefully taken in account , especially in case of products used in perturbed environments : industrial or communication sites with high level electromagnetic fields.
- Microcontrollers, DSP boards
- Commands and data acquisition modules



Examples of design :

- Analogue signals acquisition boards : filtering, amplification, control loops, analogue-digital conversion, data transmission (Ethernet and RS232)
- Radio-frequency converters IF-RF and RF-IF multi bands: 2,3,4, 5, 6 Ghz
- Video modulation and demodulation boards