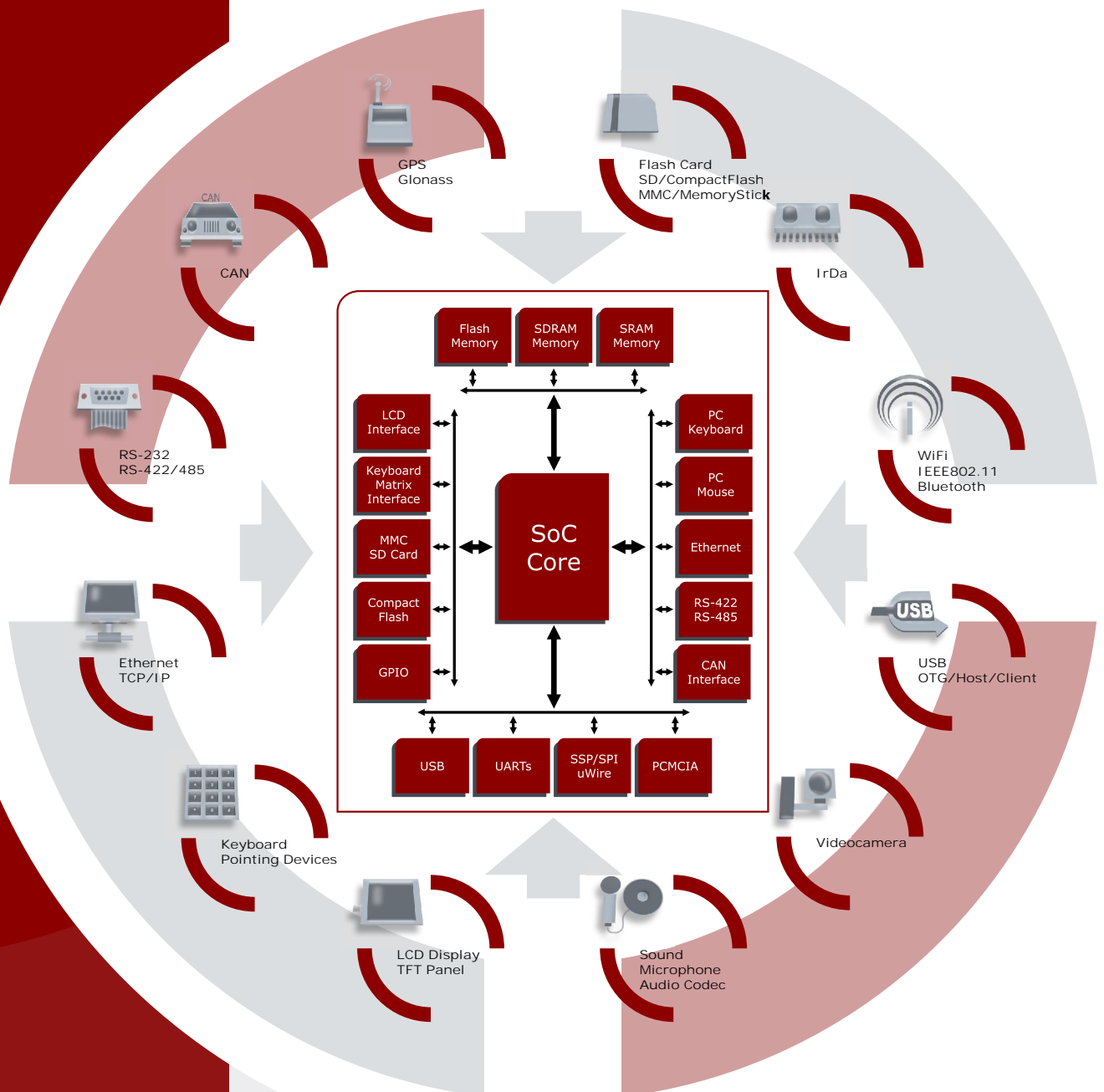


About us

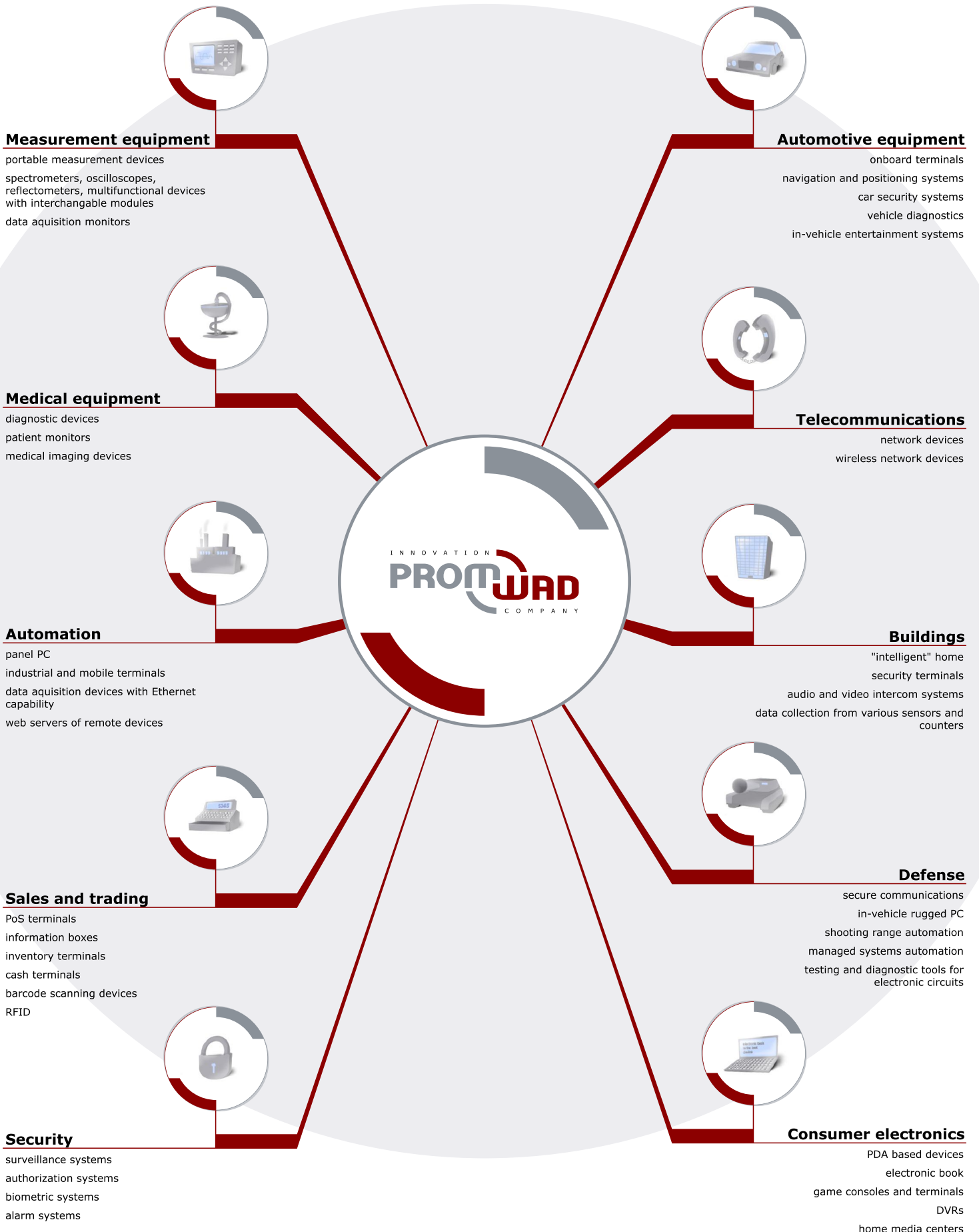
Promwad is an innovation company specializing in development and integration of embedded microprocessor systems and software. Our extensive experience in developing hardware systems enables us to provide state-of-the-art solutions for various industries. We offer the following services: consulting and system analysis, development of hardware and software for embedded systems. Promwad is the company offering development of reliable cutting-edge mobile equipment.

Technology

We offer a cutting-edge technology for development of System-on-Chip based electronic equipment. This breakthrough technology allows for creation of competitive products, while saving your time-to-market and expenses. It provides a wide spectrum of solutions, from development of mobile equipment to industrial automatization.



Application



Our mission

System integrators around the world are constantly creating new technologies and working on outreaching their scope.

Promwad aims to support such innovation technologies by providing services for mobile platforms, and to create a wide spectrum of reliable products for various applications.

Services

We offer design services for embedded systems, including development of hardware and software, i.e.:

Consultation on selecting primary hardware and software base, recommendations on system architecture, analysis and technical proposal expertise, analytical materials.

On-demand development of devices using state-of-the-art electronic component base and technology, including design of hardware schematics and printed circuit boards.

On-demand software development, including system components development (drivers, protocols, utilities) and OS installation, porting your applications on target platform, software localization.

Software and hardware integration that implies delivering turnkey projects with development of missing components, software for testing, verification and benchmarking.

Installation of system software, operating systems at the customer's option, development and debugging tools, build environments.
We offer after-sales services and technical support, support of the delivered hardware and software.

User interface of a satellite television receiver

We developed software that enabled our customer, developer of the digital TV receivers, to change the look of the user interface with minimal effort to quickly create new models on the basis of the existing universal platform. The solution aims at radically reducing the development costs of each individual STB model.

In-car monitoring device for agricultural machinery

A custom project was fulfilled that involved creating an in-car monitoring device for agricultural machinery within minimal timeframes. The device is based on AT90CAN128 microcontroller and equipped with LCD

Universal Intel XScale PXA255 based module

Promwad developed an electronic circuit and traced an OEM-module printed circuit board on the basis of PXA255 microprocessor. The following interfaces were implemented: Ethernet, full-speed USB OTG, RS-232, TFT LCD with the Touch Screen controller, system expansion bus, self-powered real-time clock. A possibility to flexibly manage power consumption was ensured.

E-book cover concept design

A concept design for an e-book reading device was developed. The form factor of the device is standard with a protecting screen cover and 6 control buttons. The e-book ergonomics is designed for both an album layout and the right or left hand.

Embedded OS Linux distribution for PC/104

A specialized Linux distribution of 2Mb for industrial PC/104 computer was developed, supporting the Ethernet and Web-server functions and additional system reliability.

High-resolution video capture system

A videosystem of two controlled high-resolution cameras (1280x1024) and 16 controlled light sources was developed for a European customer specializing in optical control systems. Based on EPLD by Xilinx, special-purpose (custom) boards to manage the video system were developed.

Home entertainment center

Promwad developed a "home multimedia center" based on a TV-connected minicomputer for an American company. The resulting application software allows the user to play video and audio files of any format, play and record CDs and DVDs, watch and record TV programs, karaoke, fotoalbum, etc.

Promwad Innovation Company
19, Sharangovicha Street, 220018
Minsk, Republic of Belarus

Tel: +375 (17) 211-5826
E-mail: info@promwad.com

www.promwad.com