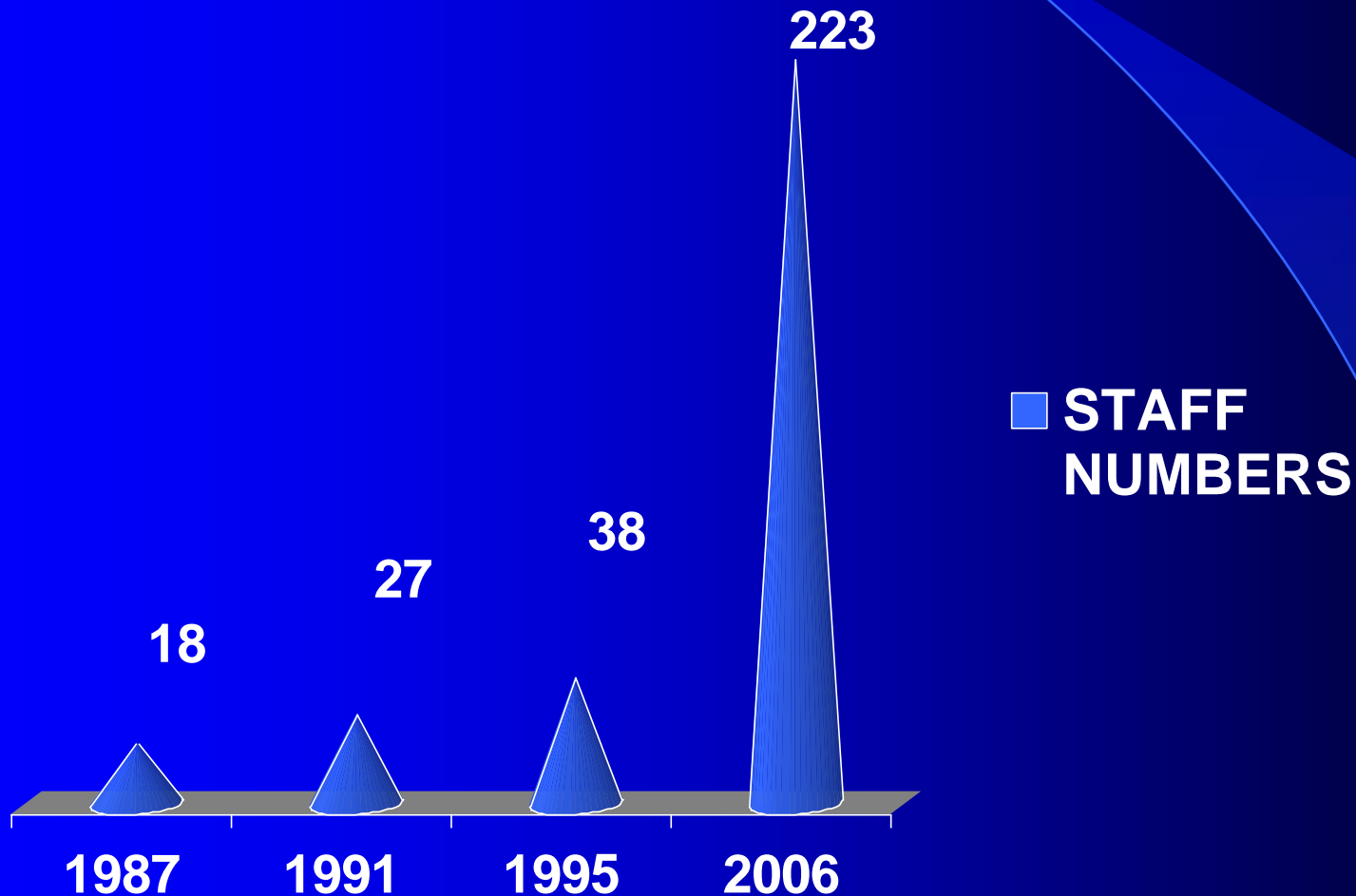


- The main slogan of the company «Neurocom» could be considered as - the complex method of the accident prevention
- During more than fifteen years, one of the basic tendencies of our work is the design and serial production of the human factor measuring systems which support traffic safety

HISTORY OF «NEUROCOM»

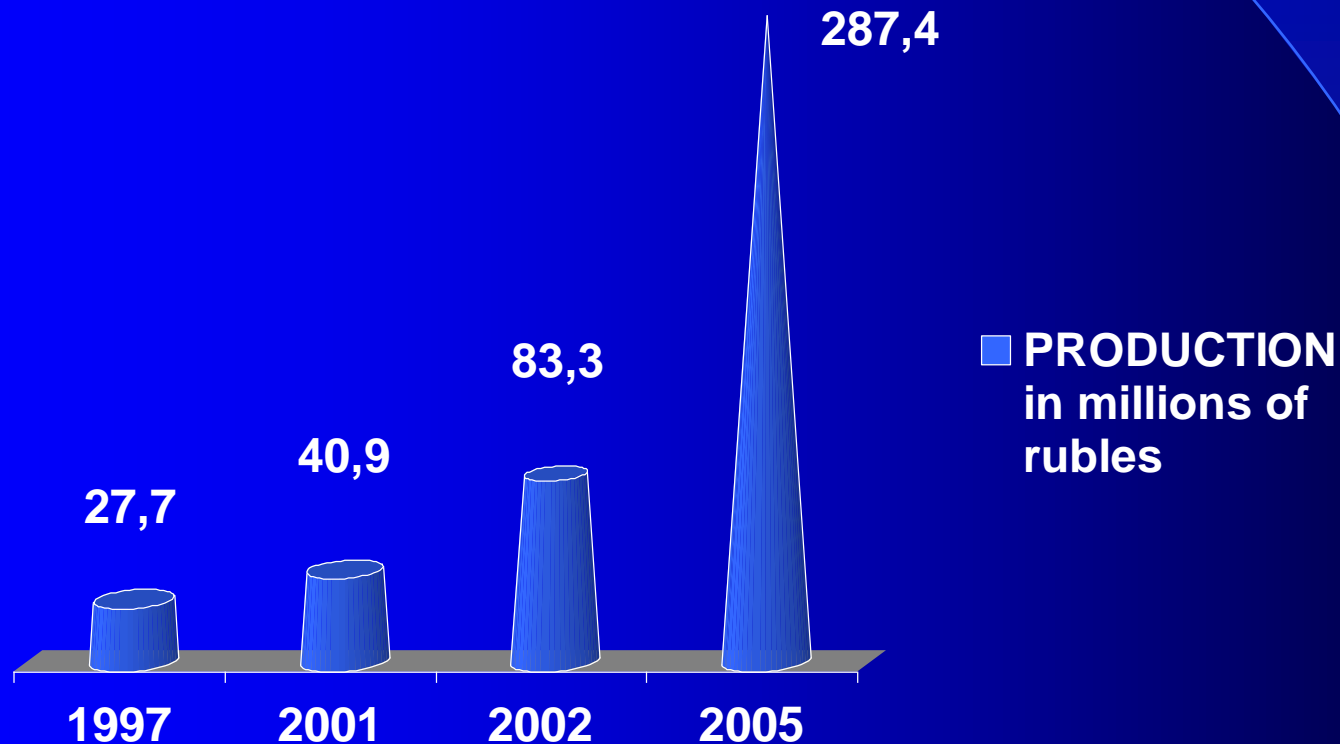
- «Neurocom» company was founded as a small state scientific and production enterprise in 1988
- Founder - Institute of Radio-engineering and Electronics of Russian Academy of Science (IRE RAS)
- The aim of the enterprise foundation was to accelerate application modern technologies to industry, transport, and health protection

- 1989: «Neurocom» becomes a Joint Stock Company
- 1994: «Neurocom» becomes a Production enterprise



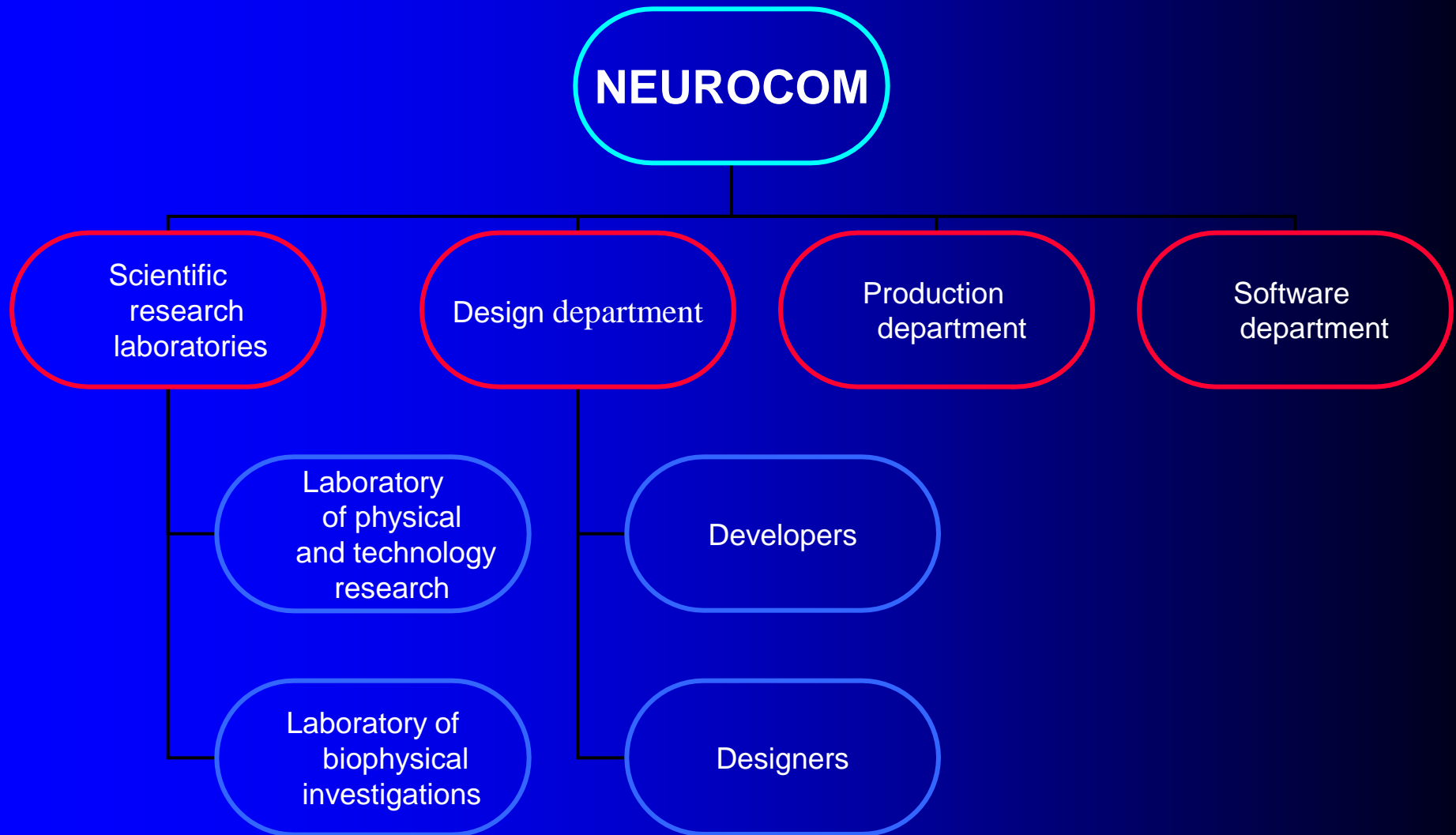
- Enterprise staff is from various constituencies including 3 members with advanced Doctorate Degree (professors), 12 members with Ph.D., and several experts in radio-electronics, communication, as well as bio- and medical physics, coming from various scientific organizations of Russian Academy of Science and Department of Defense.

- Several developments are team-works with the Institutes of Ministry of Transport and Russian Academy of Science.
- The enterprise has been working with the Russian Railroads more than 14 years.

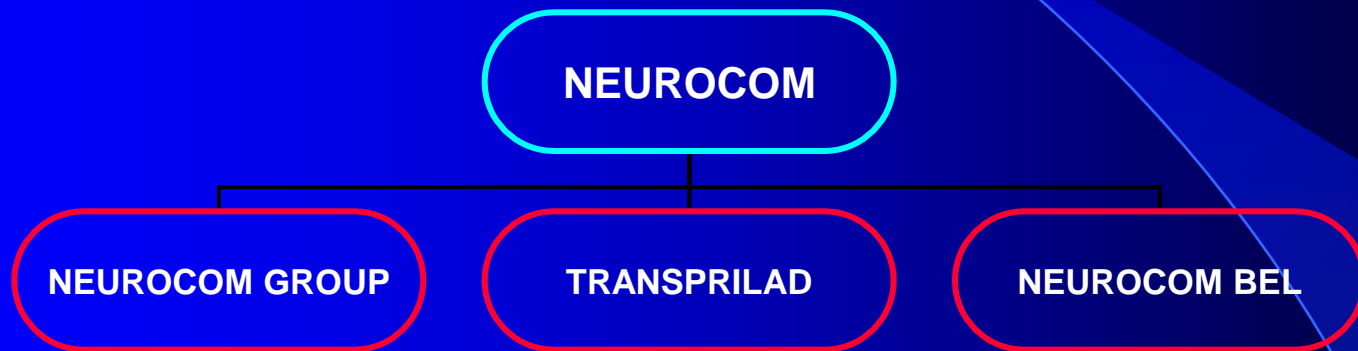


- The enterprise has more than 4500 square meters for production
- Has modern equipment
- The enterprise is certified to comply with international standard "ISO-9000"
- The enterprise had organized the brand production acceptance
- All production is certificated

COMPANY STRUCTURE



SUBSIDIARY ENTERPRISES



LABORATORY OF PHYSICAL AND TECHNOLOGY RESEARCH

- Information and telecommunication systems
- Microelectronics
- Measurement technology
- Radio engineering and electronics for general and special purposes



LABORATORY OF BIOPHYSICAL INVESTIGATION

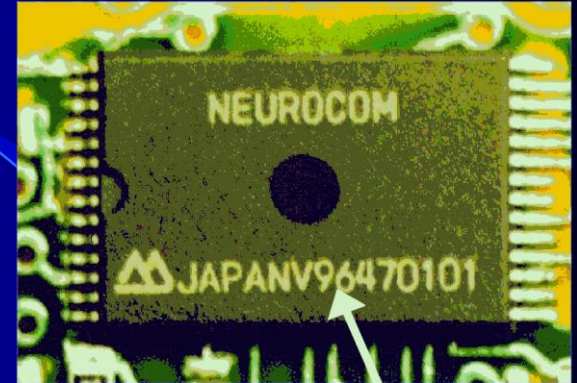
- Medical radio electronics
- Psychophysiology
- Ergonomics



- Diagnostics of functional condition of human operator
- Psychological testing
- Biological feedback

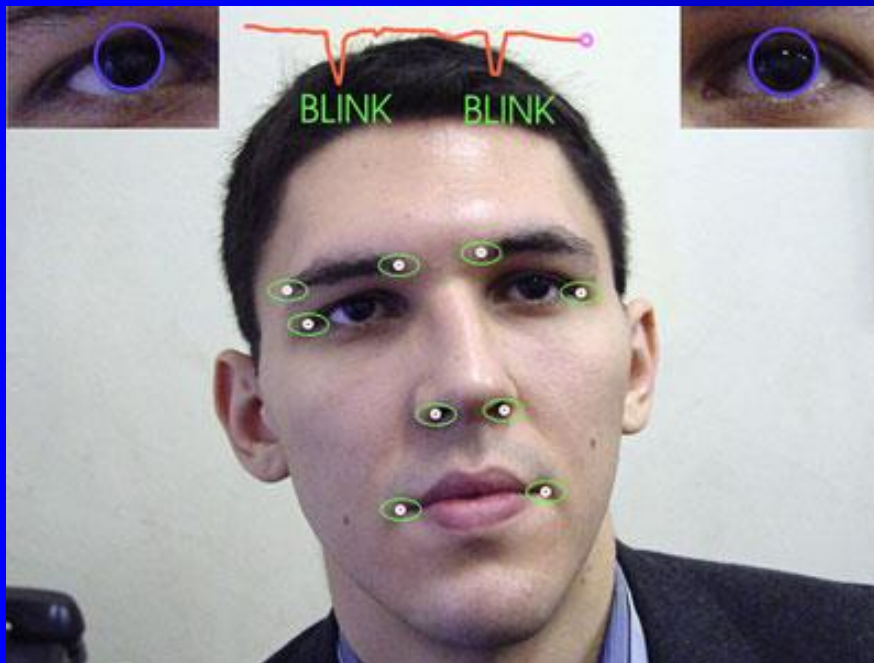
DESIGN DEPARTMENT

- Radio telemetry for general and special purposes
- Construction of safety systems and devices for railway transport
- Development of sensors and special power supplies
- Development of hardware for non-invasive medical and psycho-physiological diagnostics
- Construction of special devices with biological feedback for training, self-regulation, and treatment
- Construction and application of modern effective technology for controlling the alertness of the driver



SOFTWARE DEPARTMENT

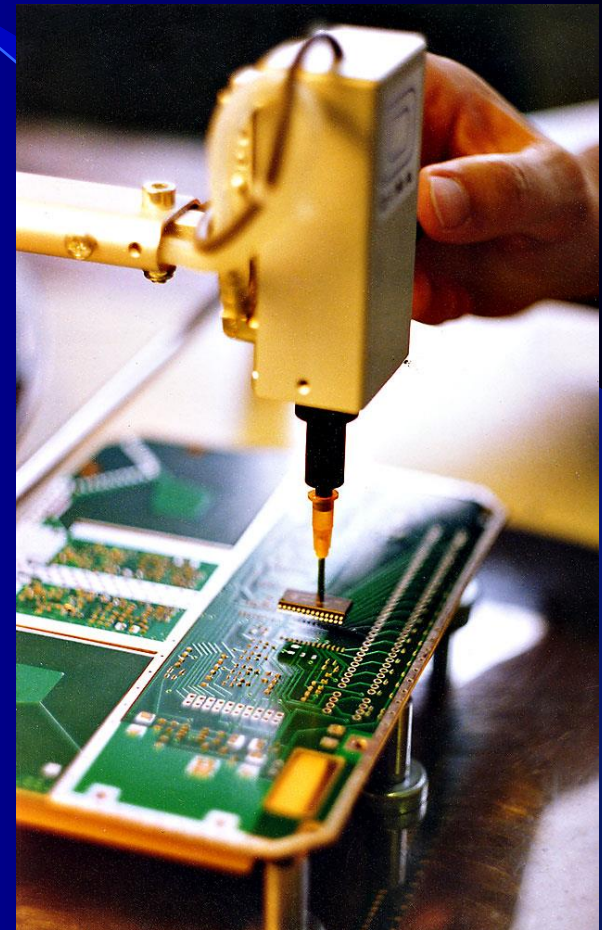
- Applied software creation with use of modern means of development
- Creation of the software for work with the external devices, connected by standard channels of communications



- Creation of the software for microcontrollers
- Development of databases, including distributed one
- Implementation in the software of protection means, such as HASP
- Creation of the software expansion means

PRODUCTION DEPARTMENT

- Surface assembling division
- Electronics assembly works
- Mechanic works
- Assembly works
- Tuning division and production control department



SOME OF OUR PATENTS



All devices developed and manufactured by our company serve two basic purposes

- Transport traffic safety
- Labor safety and maintenance of human health in the working environment

More than 7000 locomotive on Russian railways are equipped by safety devices produced by «Neurocom»

Engine Driver Vigilance Telemetric Control System EDVTCS (variant 1)



Engine Driver Vigilance Telemetric Control System EDVTCS (variant 2)



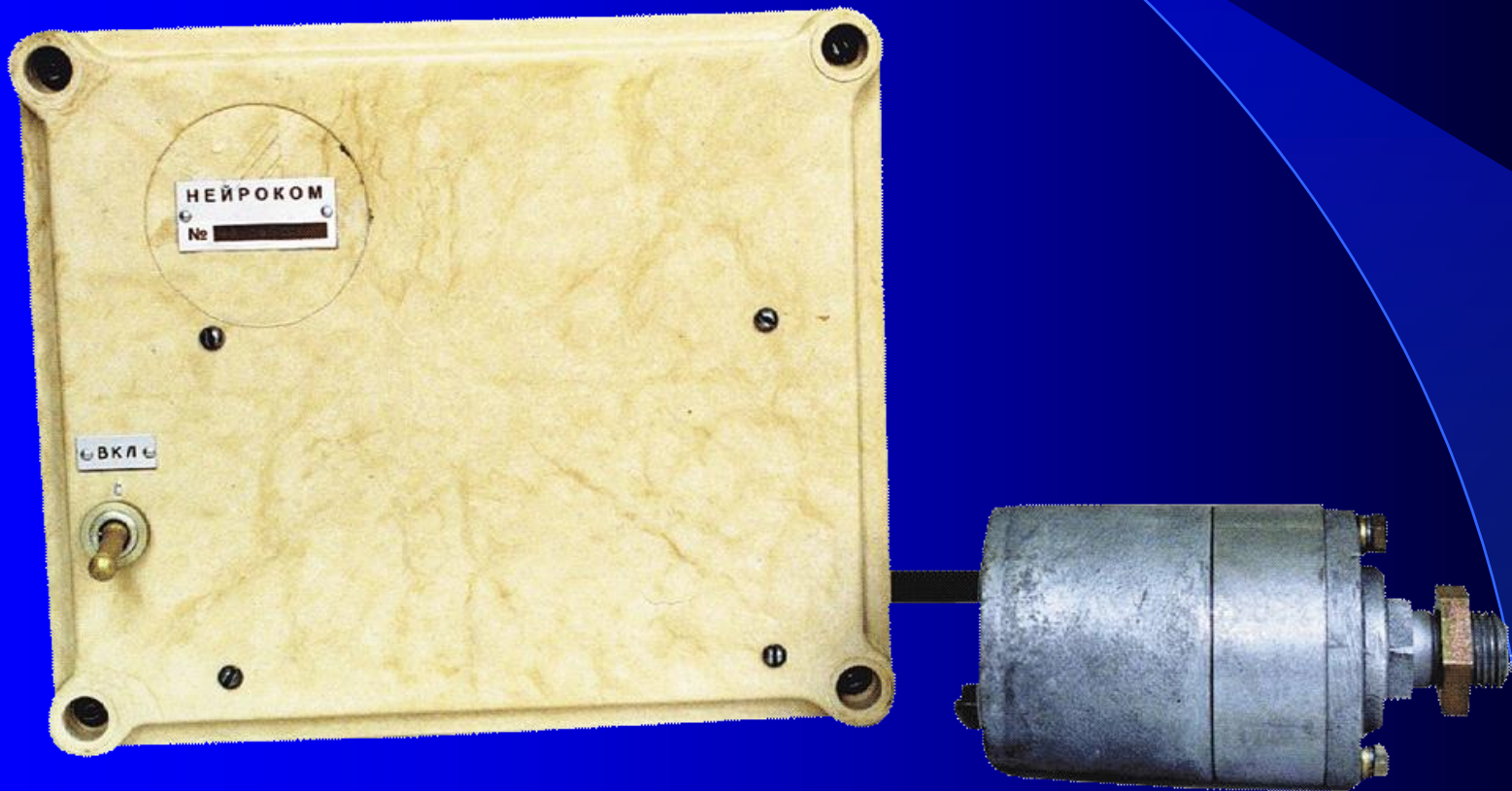
Engine Driver Vigilance Telemetric Control System EDVTCS (variant 3)



Engine Driver Vigilance Telemetric Control System EDVTCS (variant 4)



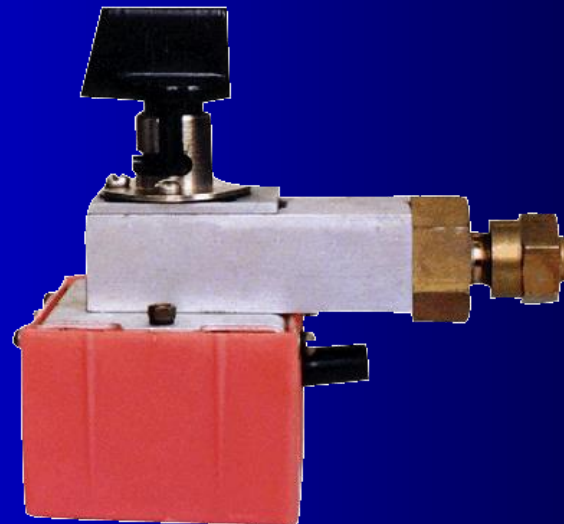
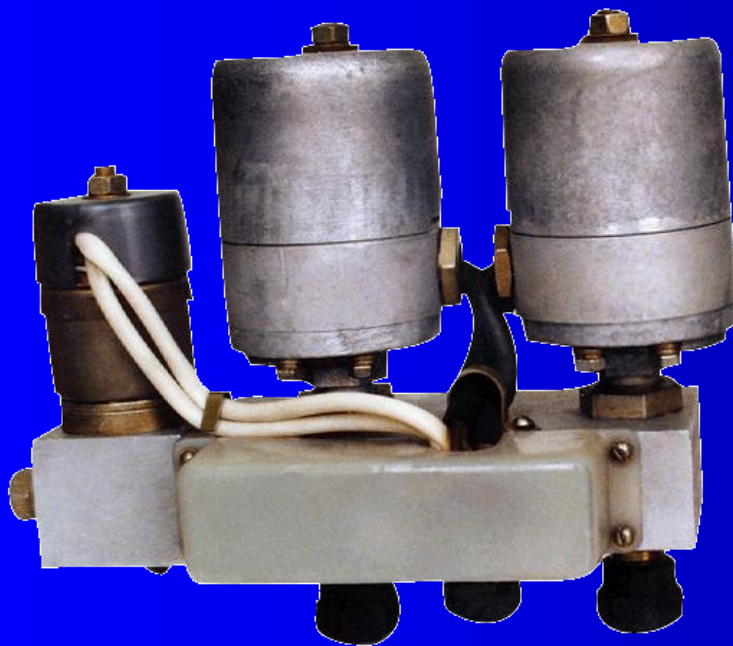
Safety control device in the system ALSN L-116U





Device for detecting
unauthorized
Switch-Off of the
Locomotive
electro-pneumatic
valve by a key
(KON device)

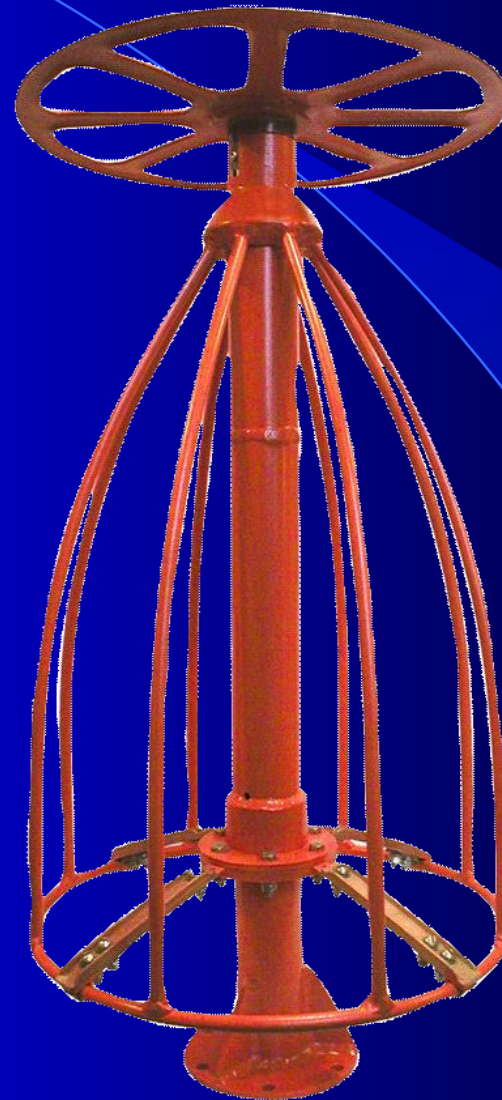
Brake blocking device for locomotives № 267





Universal
stabilized
voltage
transducer
for electro-
pneumatic
brake
SPN EPT M

Controller for distributed traction system



Light warning device L159M for car movers and industrial transport



Special warning devices for railway crossings maintained by attendants



- It is more than 15 years that Neurocom has been working on the issue of maintenance of capacity for work in a person performing an important job.
- We regard the system "man - work ability maintenance device" in its inseparable integrity

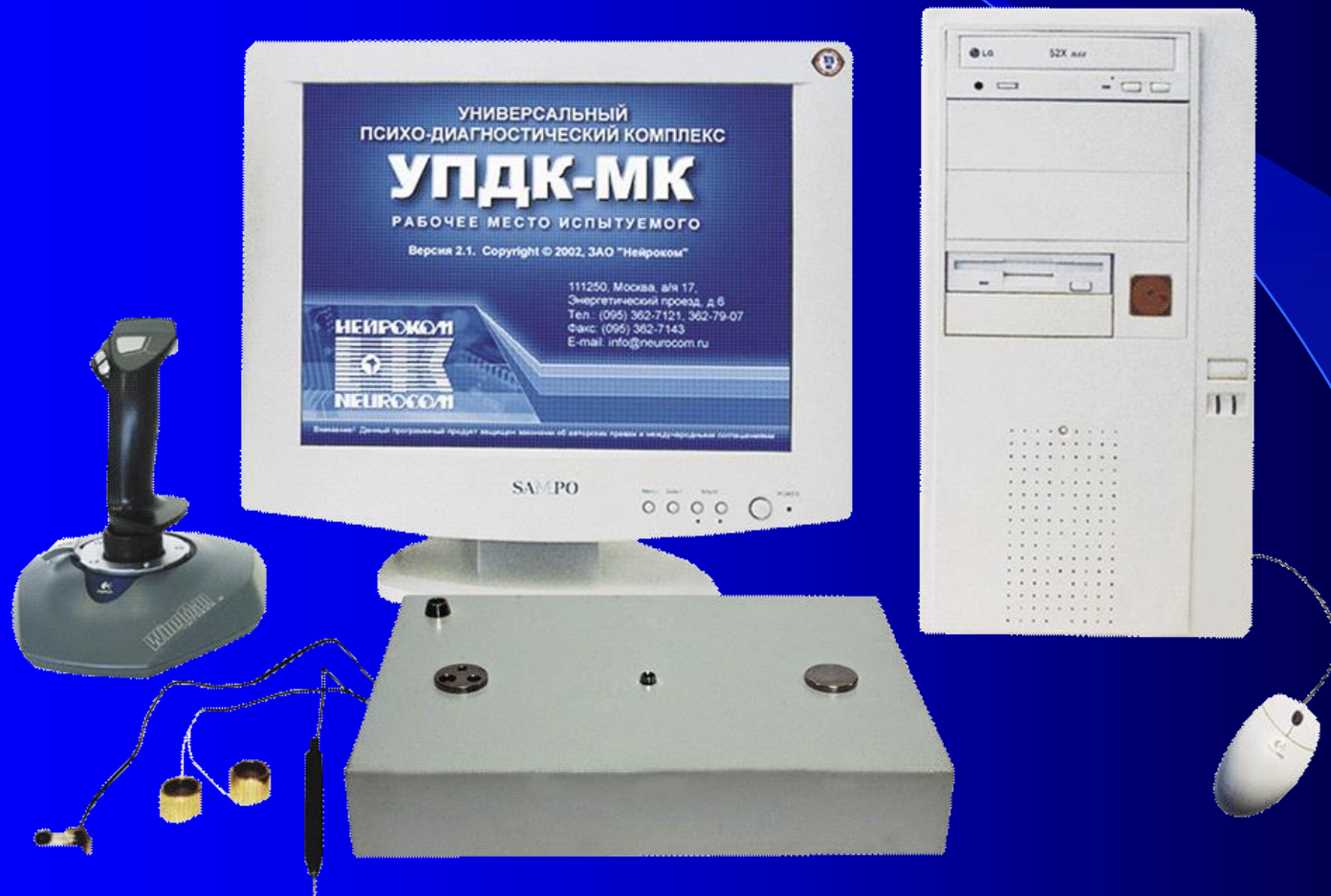
As a result of this researches - we produce the devices showing the enterprise's conception about the transport safety:

- **carrier guidness**
- **supervision before voyage**
- **checking the condition during the journey**
- **improvement of professional personal qualities**

Driver Vigilance Telemetric Control System VIGITON®



Universal Psycho-Diagnostic System UPDS



Automated system for pre-operation medical control EKOZ-01



Operator Vigilance Telemetric Control System OVTCS



Psycho-diagnostic system «Gomeostat»



Training device for improvement of important professional psychological personal qualities TA-2



**Training device
for improvement
of important professional
psychological personal
– qualities**