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Development of Embedded System Courses with implementation of
Innovative Virtual approaches for integration of Research,
Education and Production in UA, GE, AM

Presentation of P12 – “Yerevan Telecommunication Research Institute” CJSC YeTRI

Thomas More university college
28-30 January 2014



Mher Markosyan



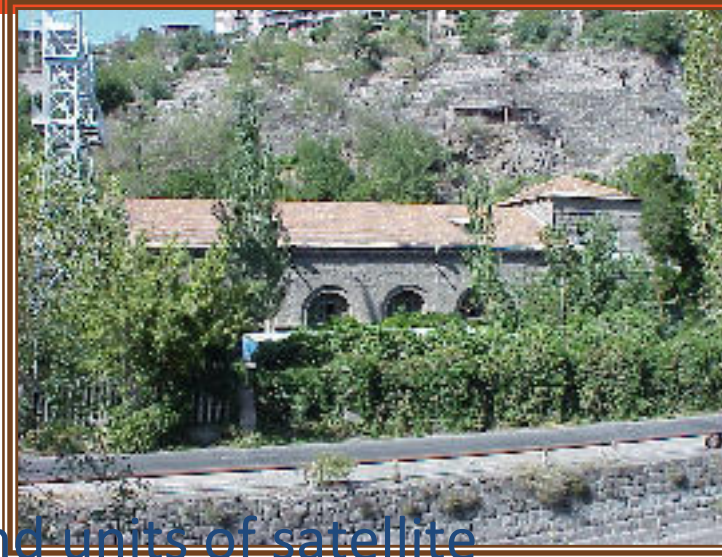
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DesIRE



Founded in 1978
as Moscow
Scientific
Research
Institute of Radio
Communication

Specialized in the field of means and units of satellite
communication.



Since 1989 is an independent institute and works in the field of:

- design and manufacturing of communication systems and units ,
- radio technical systems for different purposes (Hardware & Software);
- Software.





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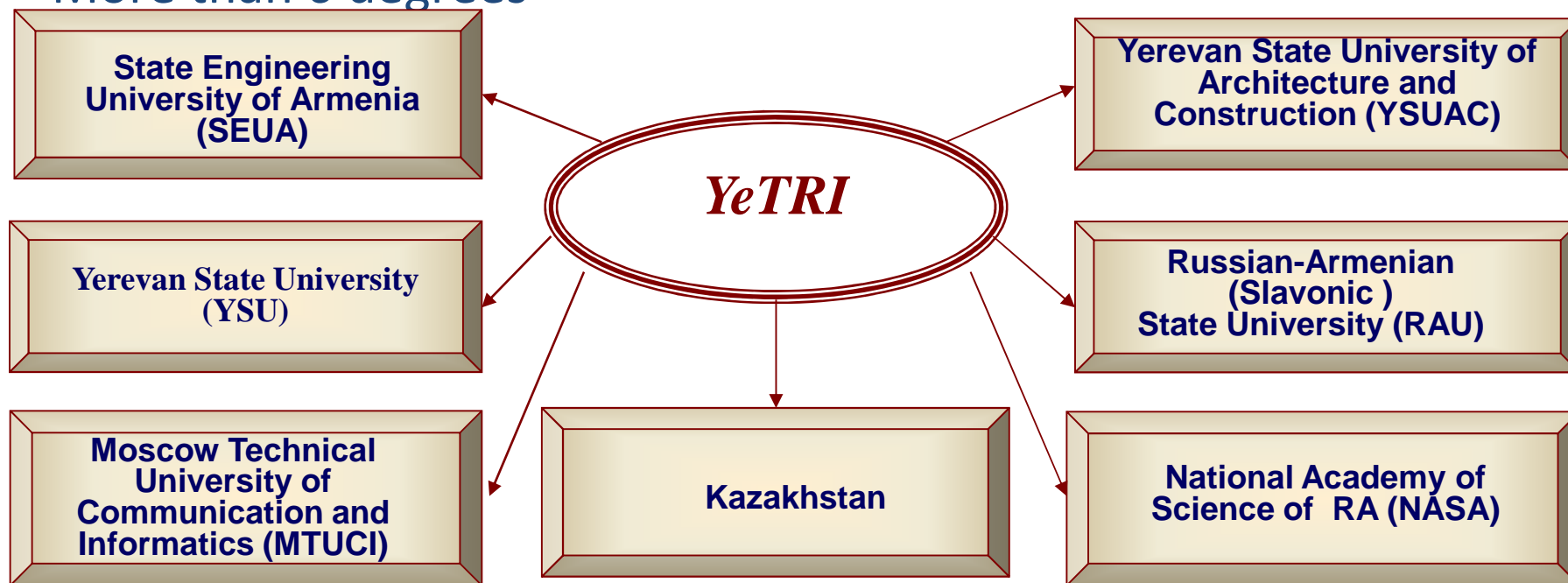
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YeTRI

More than 400 students (from YSUAC, RAU, NASA, SEUA, YSU)

More than 130 staff members (30 in the field of trainings, 6 with scientific degrees, 3 with ranks of professors)

More than 6 degrees

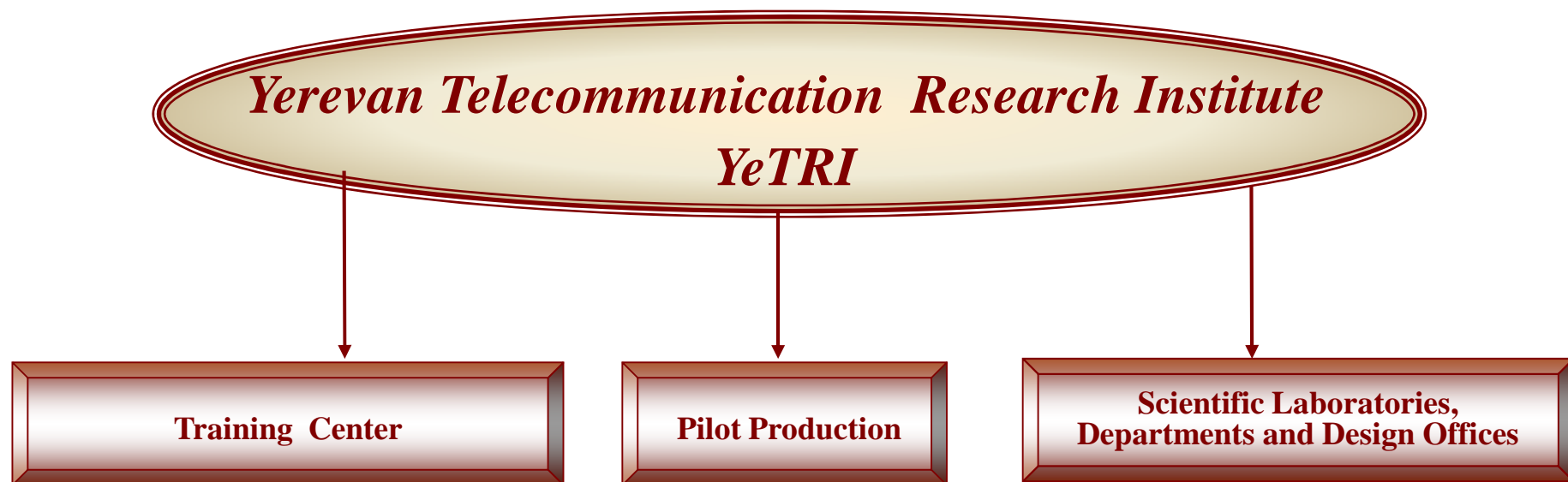




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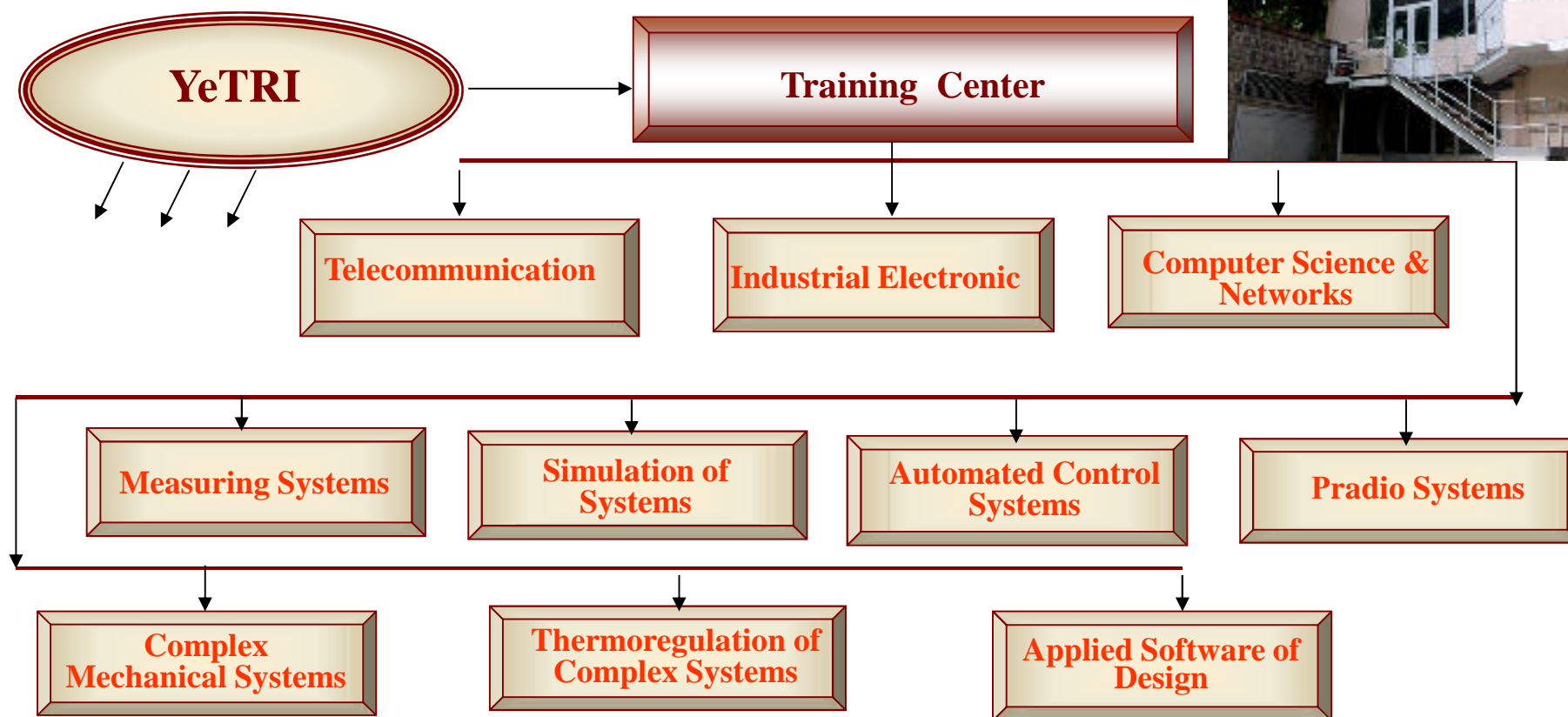
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Structure of YeTRI





Structure of YeTRI





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Structure of YeTRI

Training Center





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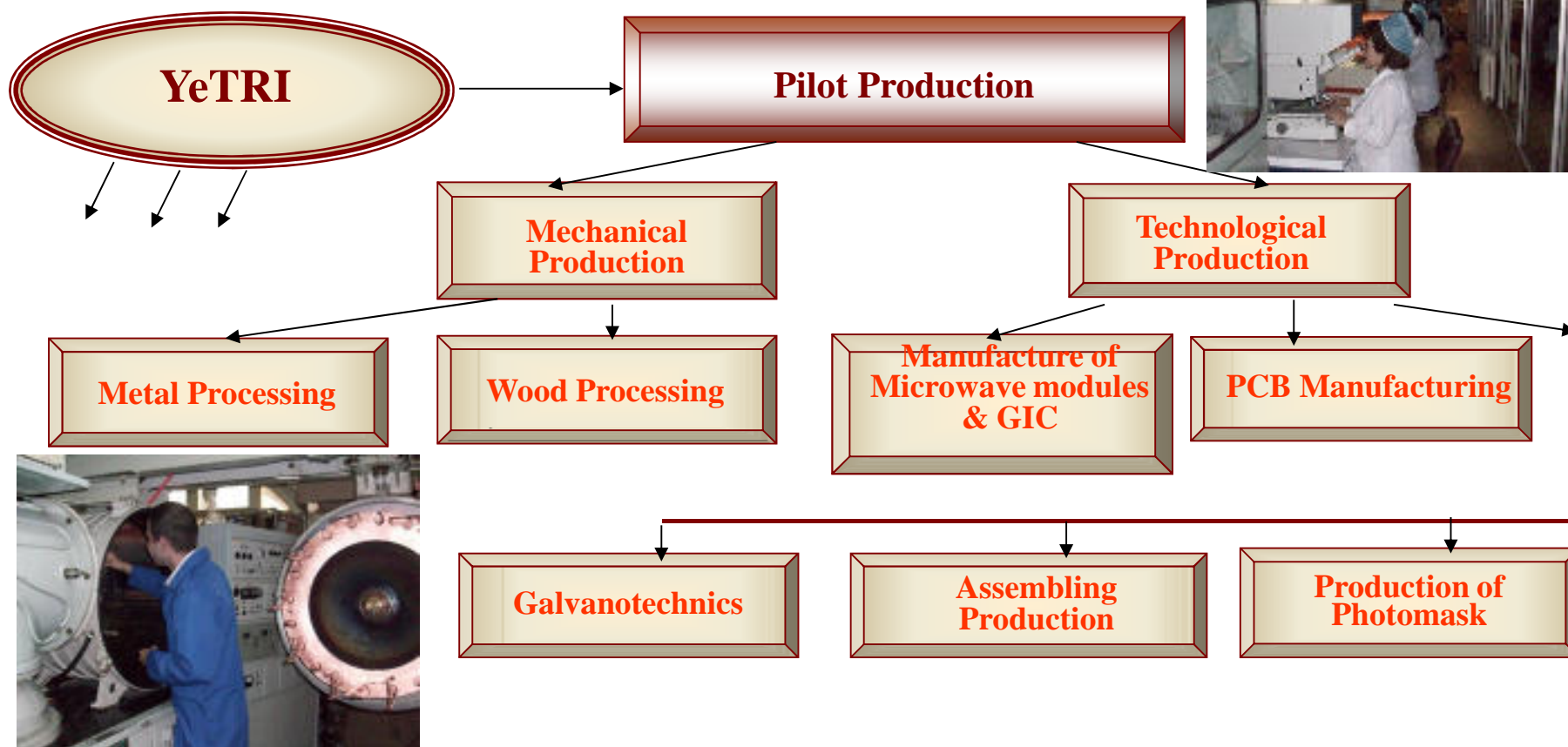
Structure of YeTRI

Training Center



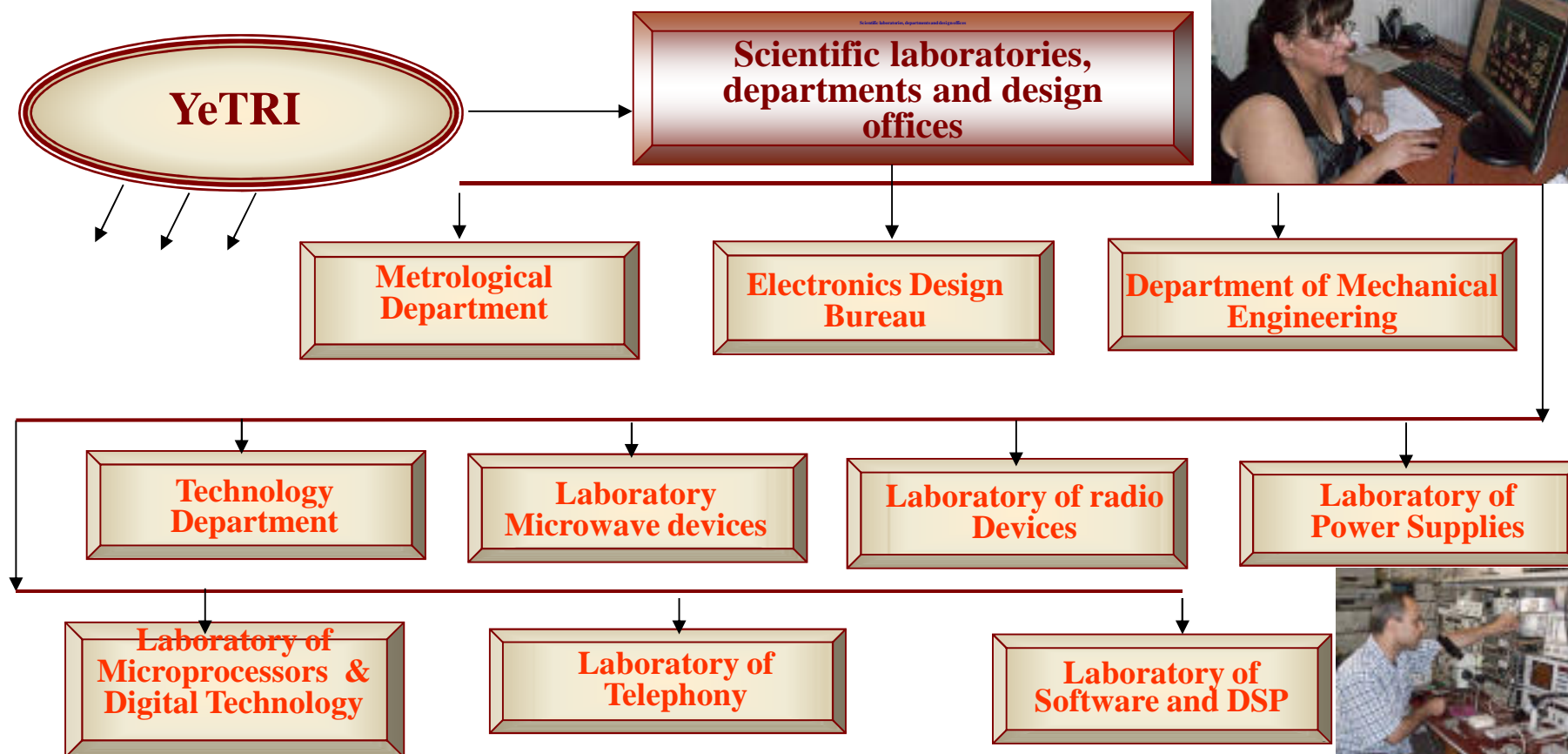


Structure of YeTRI





Structure of YeTRI





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Technological Forces





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GSM, 3G Repeater



Radio system for simultaneous translation



VHF,UHF repeater



Internet -TFOP connector



Jammer GSM



TV FM Transmitters



RF PA



Radio modem



GSM Duplexer



Band pas filters (VHF, UHF, RF, MW)





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Analogue and digital
conference system

Loud-speaking
communication system



Mini ATES-8/2
Multichannel manual
switchboard of phone lines



Mini ATES up to 20 subscribers



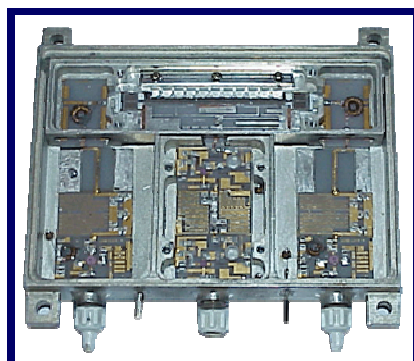


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Design and manufacturing of microcircuits and micro assembly by order



Acousto-optic convolver



Module of correlation processing



Delay lines



Micro-strip
directional couplers



Circuit power
dividers/combiners



Crystal
oscillator of
reference
frequency



Voltage
controlled
oscillator (VCO)





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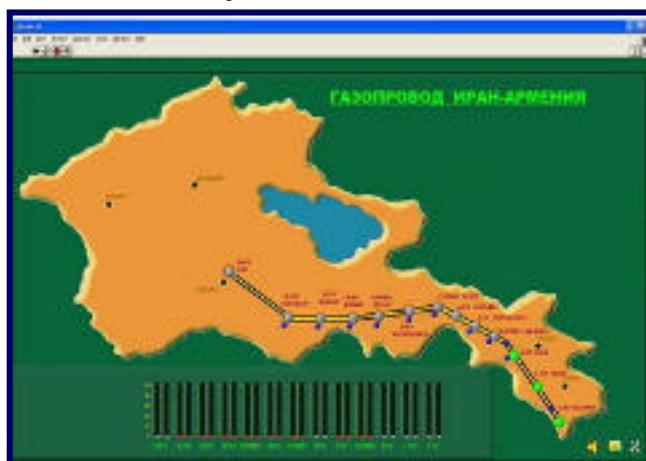
SCADA system



System of call registration



Biometric system of staff registration



“PIANO” SYSTEM

Risking the information-you risk business.
The reliable space is vital.



Automated control system by technological processes





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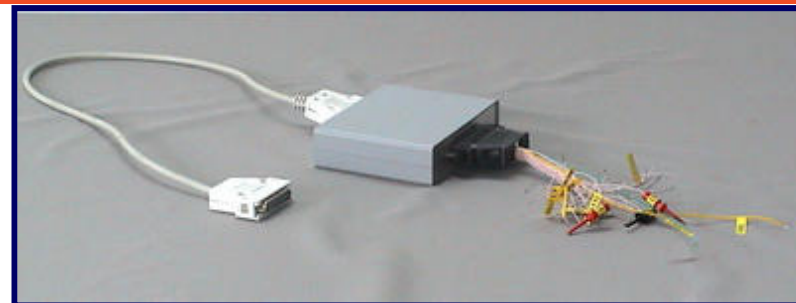
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Controller for technological processes



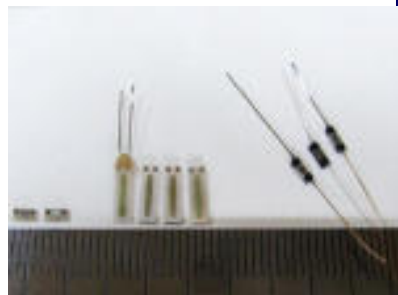
GPRS controller



VSWR sensor for P2-102 device



Inclinometer



Temperature and pressure sensors



Detector head for P2-102 measuring device



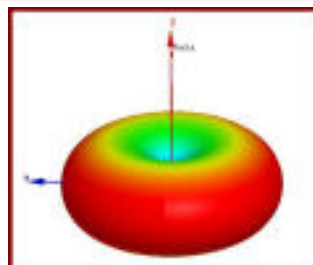


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GPRS modems with controller



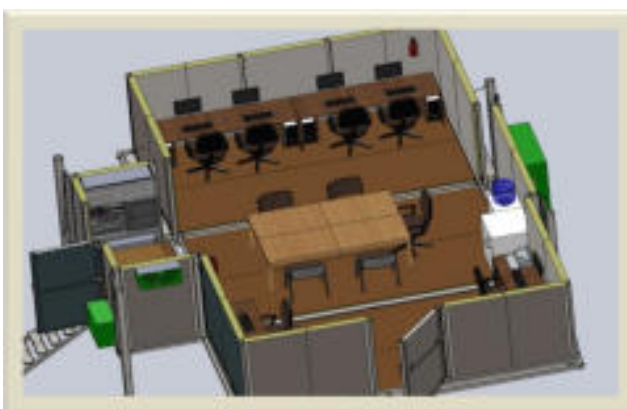
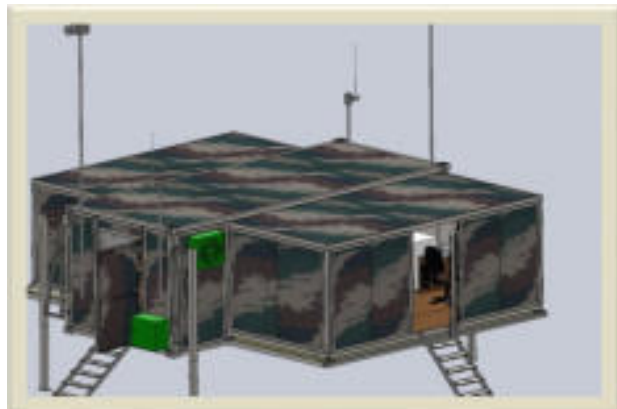
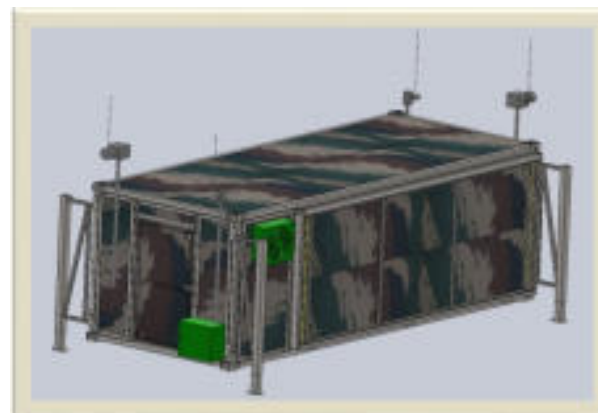
Antennas and rotary support





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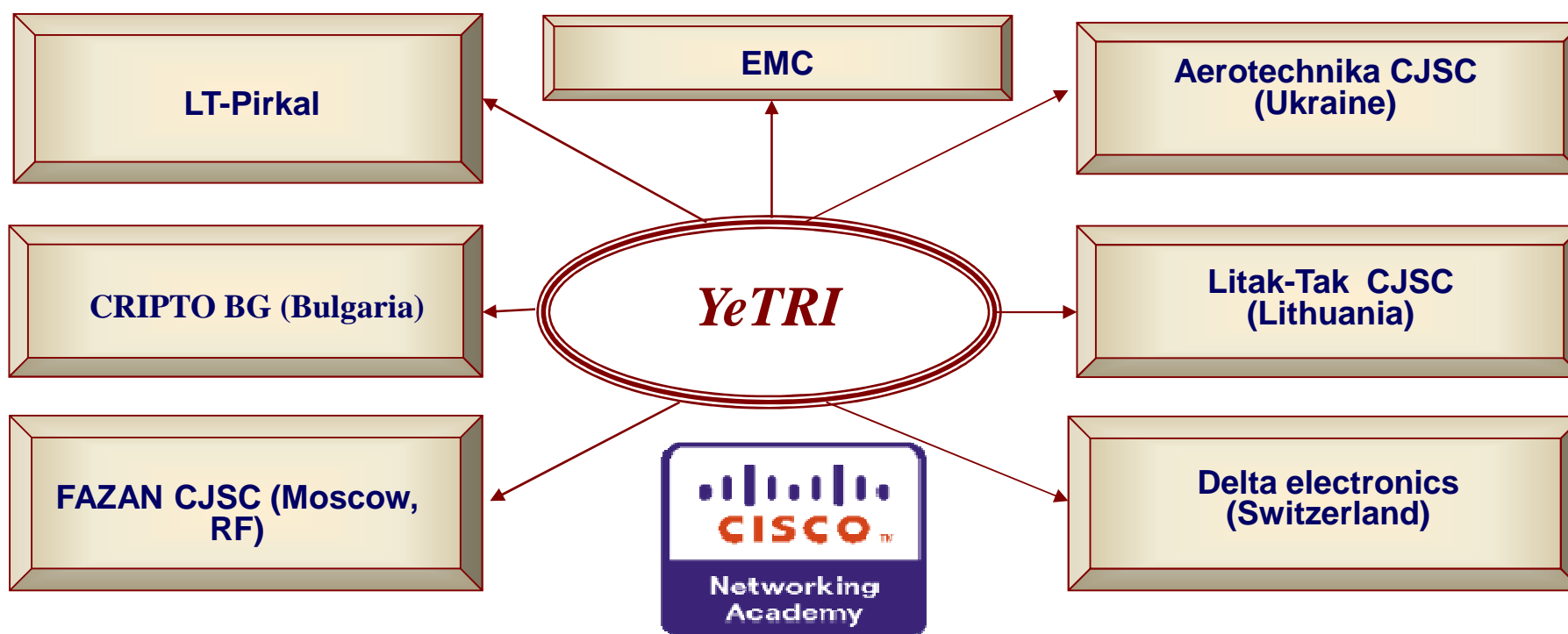




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Enterprises and Companies





Local Project Team

- Laboratory of radio devices, Laboratory of microprocessors & digital technology
 - specialized in embedded hardware and software development
 - analogue and digital system design
- Department of Mechanical Engineering
 - Mechanical and structural design and behavior.





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Local Project Team of YeTRI



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