

A horizontal line from the left edge of the slide, followed by a diagonal line segment ending in a solid black dot.

NATIONAL INSTITUTE OF RESEARCH AND DEVELOPMENT IN MECHATRONICS AND MEASUREMENT TECHNIQUE

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INCDMTM BUCHAREST

**ESTABLISHED IN 1971, EXCELLENT
SCIENTIFIC EVOLUTION
CONSOLIDATED THE POSITION
OF INCDMTM BUCHAREST IN THE
CONTEMPORARY WORLD OF RDI
IN ROMANIA, THE EUROPEAN
UNION AND INTERNATIONALLY.**



VALUES

Vision

«INCDMTM ASSUMES THE CONCEPT OF AN INNOVATIVE INSTITUTE, BOTH IN TERMS OF HUMAN CAPITAL FORMATION IN EXCELLENCE AND INNOVATION RESEARCH, AS WELL AS IN THE ACTUAL R & D ACTIVITY, KNOWLEDGE-PRODUCING, INNOVATION AND ADVANCED PRODUCTS AND TECHNOLOGIES LINKED TO INTELLIGENT ECONOMIC KNOWLEDGE».



Mission

«EXCELLENCE AND INNOVATION RESEARCH FOR THE DEVELOPMENT OF KNOWLEDGE BASED ECONOMY IN ROMANIA AND INTEGRATION INTO THE EUROPEAN RESEARCH AREA»



INCDMTM BUCHAREST

INCDMTM DEVELOPED ITS CAPABILITIES IN ACCORDANCE WITH NATIONAL AND EUROPEAN TRENDS AND GUIDELINES, AS PROVEN BY ADVANCED LABORATORY INFRASTRUCTURE, THE EXISTENCE OF THE TECHNOLOGY TRANSFER CENTER AND THE EXISTENCE OF THE REGIONAL CLUSTER FOR MECHATRONICS.

THE QUALITY OF RESEARCH WORK IS PROVEN BY A LARGE NUMBER OF NATIONAL AND INTERNATIONAL PRIZES AND DISTINCTIONS RECEIVED BY OUR RESEARCH STAFF EVERY YEAR.

OUR SKILLED TEAM OF ENGINEERS AND RESEARCHERS WORK TOGETHER TO FIND NEW PERSPECTIVES AND INNOVATIVE SOLUTIONS TO PROBLEMS ARISING FROM TODAY'S INDUSTRY AND SOCIETY NEEDS, THAT REQUIRE MULTIDISCIPLINARY APPROACHES.

OUR RESEARCH FACILITIES

OUR HIGHLY SPECIALIZED TEAM OF RESEARCHERS AND ENGINEERS PROVIDES CLIENTS AND PARTNERS WITH INNOVATIVE SOLUTIONS, USING HIGH PERFORMANCE EQUIPMENTS FROM OUR RESEARCH LABS:

ACCREDITED LABORATORIES:

- *LENGTH TESTING
LABORATORY – LIL*
- *PRESSURES TEMPERATURES
CALIBRATION LABORATORY
LE – PRESSURES*

R&D LABORATORIES UNDER RESEARCH DEPARTMENTS:

- *OPERATING UNDER SMART
MEASUREMENT MECHATRONICS
DEPARTMENT*
- *OPERATING UNDER BIOMEDICAL
MECHATRONICS AND ROBOTICS*
- *OPERATING UNDER MECHATRONIC
MICRO – AND NANO – TECHNOLOGIES
DEPARTMENT*

R&D LABORATORIES UNDER RESEARCH DEPARTMENTS:

1

OPERATING UNDER SMART MEASUREMENT MECHATRONICS DEPARTMENT

- *Laboratory of Integrated Control Mechatronic Systems*
- *Precision Measurements and Smart Control Laboratory*
- *Complex Systems and Automation Control Laboratory*
- *Environmental Engineering Systems and Renewable Energy Laboratory*
- *Smart Termotechnical Measurements Laboratory*



2

OPERATING UNDER BIOMEDICAL MECHATRONICS AND ROBOTICS

- *Biomechatronics Laboratory BIOLAB*
- *Laboratory of Smart Systems. Data Acquisition and Robotics*
- *Laboratory Investigation Micro-systems, Biosensors and Biomaterials*
- *Rapid Prototyping Laboratory*

3

OPERATING UNDER MECHATRONIC MICRO – AND NANO-TECHNOLOGIES DEPARTMENT

- *Process Micro and Nanotechnologies Laboratory*
- *CERTIM Laboratory (Research Center for Laser Technology)*



RESEARCH INFRASTRUCTURE



CERTIM



LE - PRESSURES



**RAPID
PROTOTYPING**



BIOLAB



HEXAGENT



CYBER-MECHATRONIC SYSTEM



**PROCESS MICRO AND
NANOTECHNOLOGIES LABORATORY**

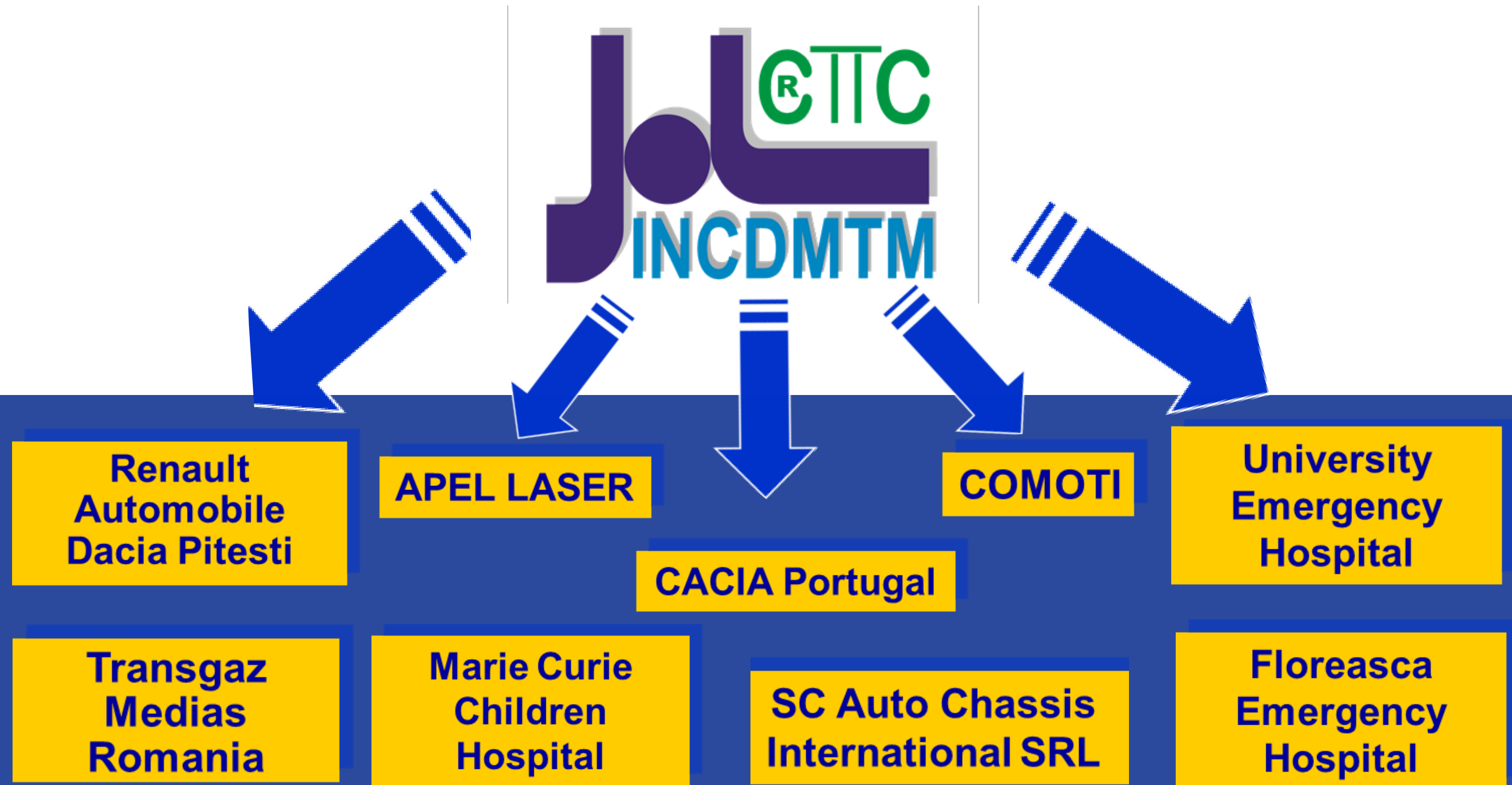


LENGTH TESTING LABORATORY - LIL



**MULTIPARAMETER
DIMENSIONAL
CONTROL DEVICE**

MAIN CUSTOMERS



CEFIN PUBLISHING HOUSE

TECHNICAL JOURNALS

INTERNATIONAL JOURNAL OF MECHATRONICS AND APPLIED MECHANICS

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EICOMPENDEX & **PROQUEST**



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TECHNICAL BOOKS



MAIN EVENTS

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INTERNATIONAL CONFERENCE
ON RELIABLE SYSTEMS
ENGINEERING

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8th International Conference on Innovations, Recent Trends and Challenges in Mechatronics, Mechanical Engineering and New High-Tech Products Development
MECAHITECH'16
International Conference
Bucharest, Romania
September 8th-9th, 2016



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