



COPPE

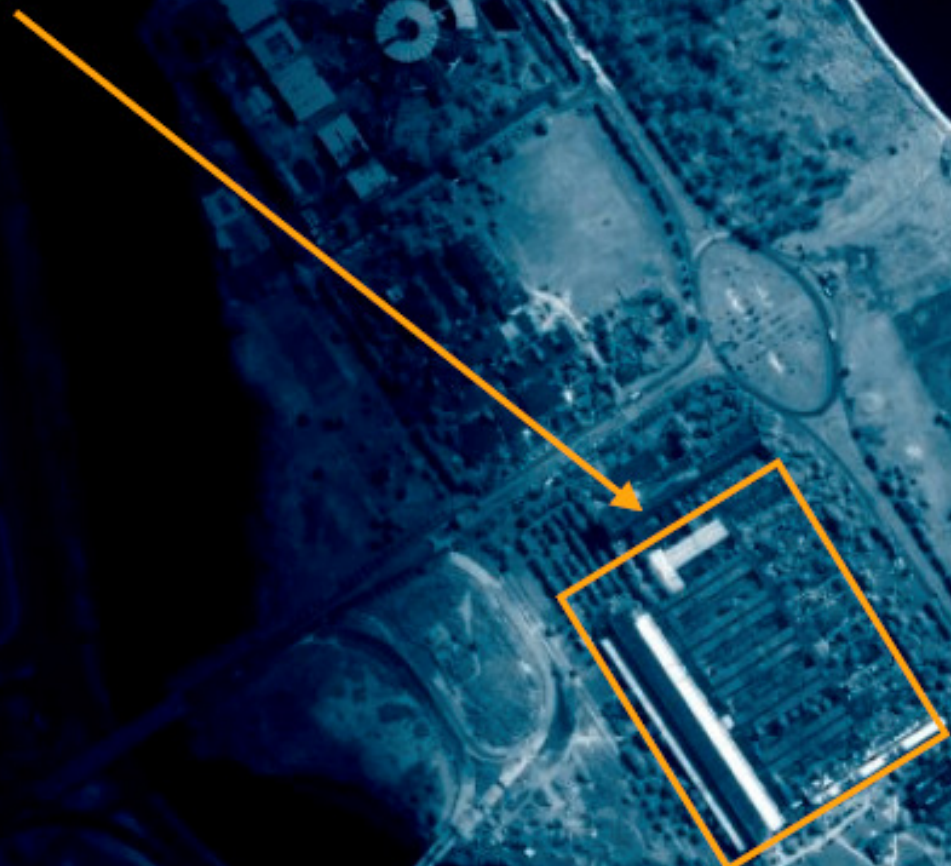
**Alberto Luiz Coimbra Institute for Post-Graduate Studies and Research in Engineering
Federal University of Rio de Janeiro**

GrVA Lamce COPPE UFRJ partner of McLeod Institute

Overall Information on MISS Rio De Janerio Location in

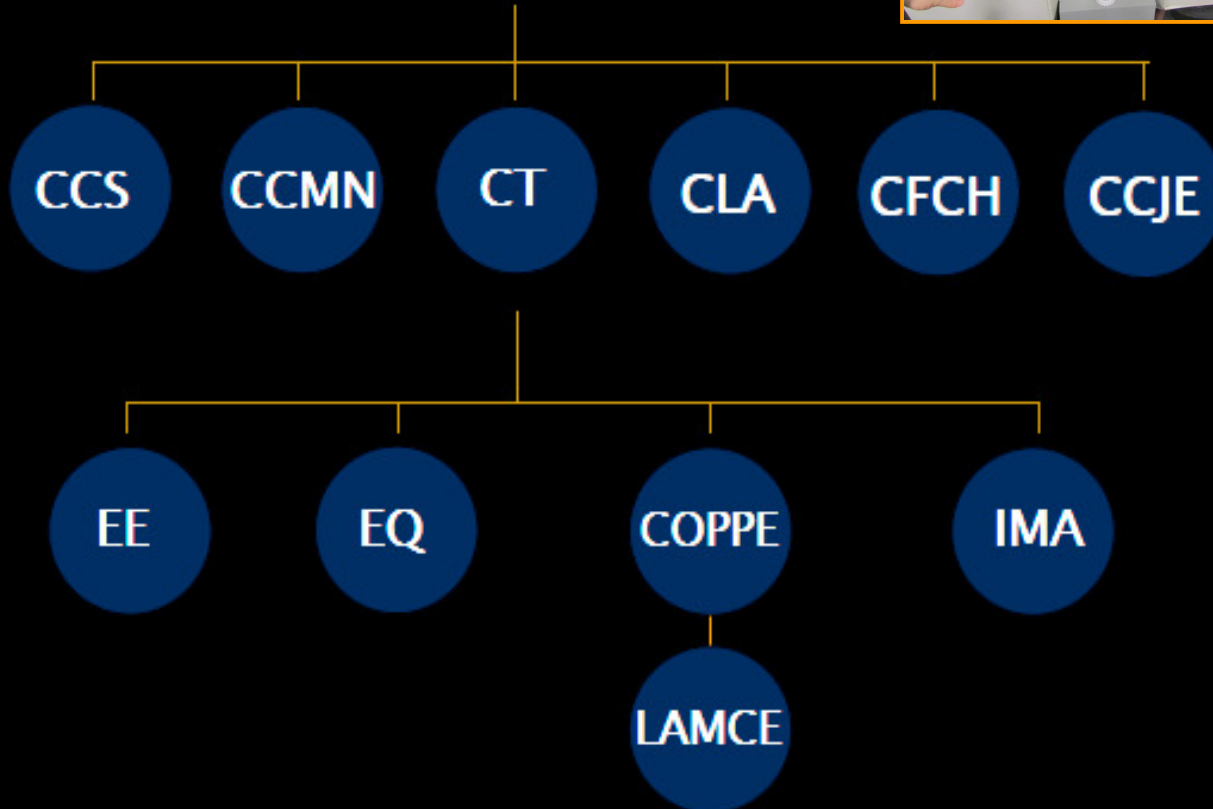
**LAMCE COPPE
FEDERAL UNIVERSITY
OF RIO DE JANEIRO**

**Centro de Tecnologia,
Cidade Universitária,
Ilha do Fundão.**



The Federal University of Rio de Janeiro and LAMCE/COPPE

UFRJ



The Federal University of Rio de Janeiro and LAMCE/COPPE

40.000 Students

**121 Under graduate
courses**

139 graduate courses



The History of LAMCE/COPPE

1963 – 1st Engineering Programme

1965 – Became an Academic Unit

1969 – Moved to Ilha do Fundão

1970 – Industrial Interaction Office Established



LAMCE/COPPE 's Objectives

MSc, DSc & Continuing Education

Basic & Applied Research

Co-operative Projects with Industry & Society



Academic Organization

12 Graduate Engineering Programmes

4 Undergraduate Courses

6 Interdisciplinary Areas

11 Nuclei of Excellence:
(6 coordinations & 5 participations)
PRONEX / MCT



LAMCE/COPPE 's Programmes

Civil
Engineering

Electrical
Engineering

Metallurgical
& Materials
Engineering

Transport
Engineering

Chemical
Engineering

Production
Engineering

Biomedical
Engineering

Systems &
Computational
Engineering

Mechanical
Engineering

Ocean
Engineering

Energy
Planning

Nuclear
Engineering



LAMCE/COPPE 's Undergraduate Courses

Oil & Gas Engineering

Automation & Control Engineering

Computer & Information Engineering

Environmental Engineering

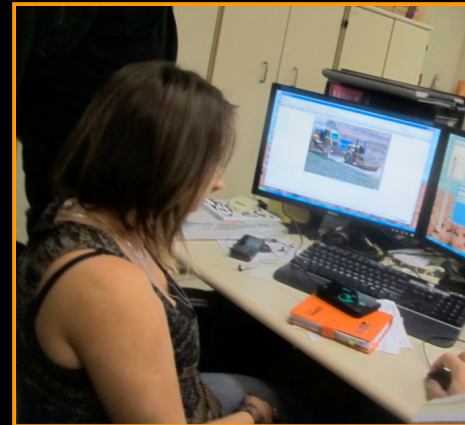


The Human Resources Involved

300 Full-Time Professors
with Doctorate

3000 MSc & DSc Students

170 Scientists & Technicians



The Interaction with Industry

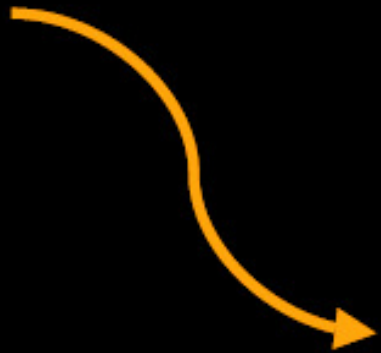
35 years
of
Tradition



1750 Projects
in Progress



US\$ 26 million
annual cash flow



7000 Projects
Concluded



49% of
COPPE's
Budget



Products & Services

Computational Systems

Subsea Technology

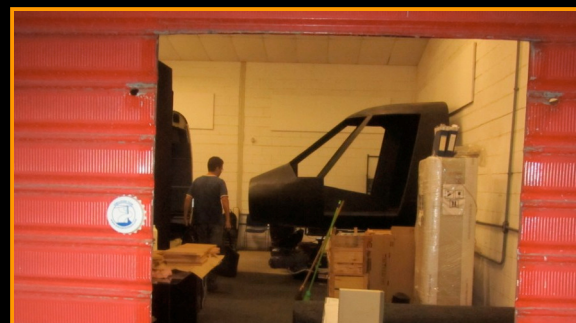
Oil Refining & Natural Gas Processing

Logistics, Transportation And Distribution

Administration Of Information

Energy Planning & Environment

Risk Analysis



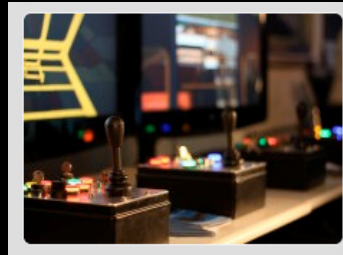
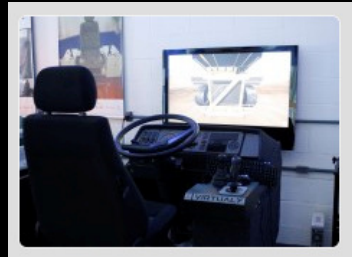


GrVA Simulation Research Center



Products & Services

Virtual Simulation in the Center



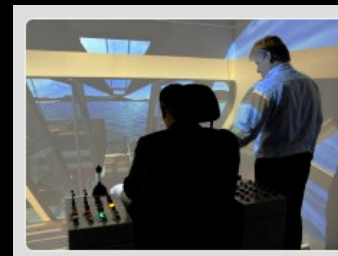
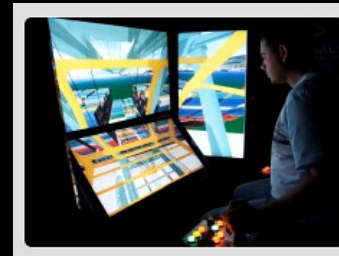
technology base

simcrane

- crane construction
- offshore
- crane board
- mobile
- portainer
- roller bridge

simtruck

- ore truck
- truck port
- bulldozer
- wheel loader
- reach stacker



Involvement of Brazilian Community

Award for Best Paper

Meeting Between Academia and Companies

**Proposal for International
Cooperations**



Products & Services

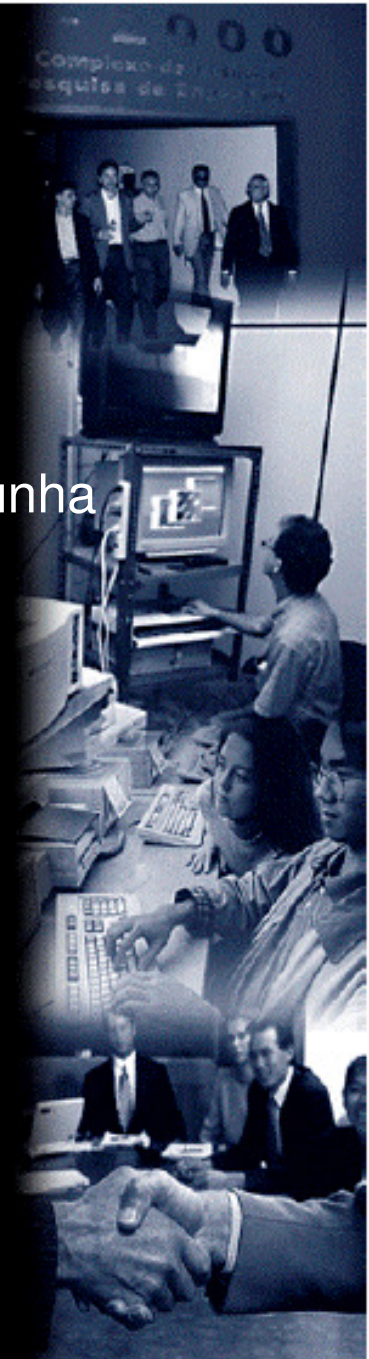
Reference Simulation Center

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