



BORN
INNOVATIVE



ABOUT LACTEC

**Private
R&D
Center**



**60 years on
the market**

**550
workers**



30 labs
for R&D support
and tests and
analysis

**6 units
in Brazil**
(Curitiba-PR and
Salvador-BA)



**R\$ 103
million**
Revenue
2018

**Great
Place
To
Work®**

Certificado
16/10/2018 - 16/10/2019
BRASIL



lactec

RESEARCH, DEVELOPMENT & INNOVATION



More than 300
R&D executed
long term
projects

Projects in
Brazil and **other**
countries



More than 100
employees **with**
master's and
doctoral degree

Processes,
prototypes,
products and
studies

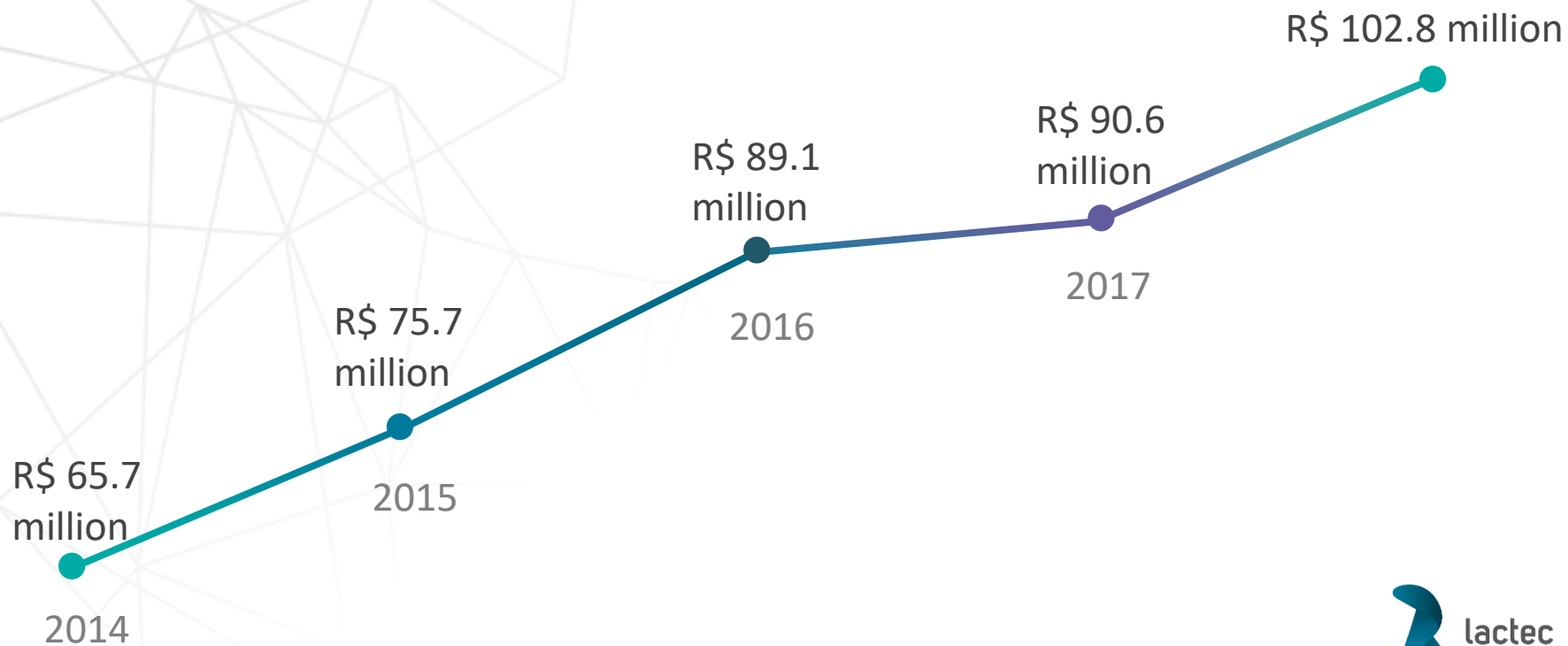


More than 90
on going
patent's
processes



lactec

REVENUE



TECHNOLOGICAL UNITS



BUSINESS SEGMENTS

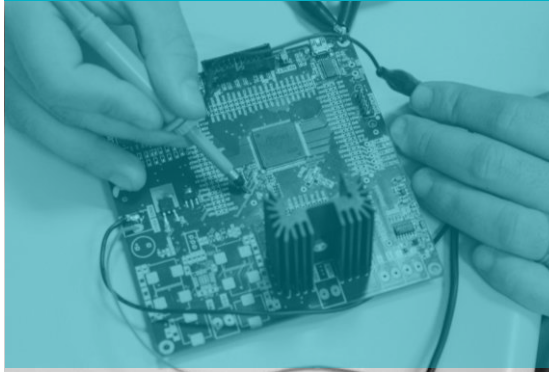
Automotive



Oil and
Gas



Electronics



Power



Infrastructure Works



EXPERTISE



RESEARCH, DEVELOPMENT AND INNOVATION

- Basic research projects;
- Applied research projects;
- Development of prototypes and experimental devices

TECHNOLOGICAL SERVICES AND INNOVATION

- Measurements, monitoring, instrumentation and special tests in field;
- Environmental, hydrological and hydraulic studies and planning, civil technological control, diagnosis and pathologies repairs, geoprocessing;
- Quality Assurance Tests in SW; Design and UX; virtual and augmented reality

LABORATORIAL TESTS AND ANALYSIS

- More than 30 labs to test, trial and analysis of products;
- Instruments calibration and support to services and R&D projects

SPECIALIZED TRAINING

- Professional master's course in development of technology, in addition to training and qualification programs, including in-company classes.

ENGINEERING
FIELDS

COMPUTING

CHEMICAL

CIVIL

ELECTRONIC

ELECTRICAL

ENVIRONMENTAL

HYDRAULIC

MATERIALS

MECHANICAL

TESTING LABORATORIES

RD&I SUPPORT, TESTS AND ANALYSIS




Atomic
Absorption




Air Quality
and
Atmospheric
Emissions




Geotechnics




Chemical
Analysis




Polymer
Testing and
Thermal
Analysis




Welding and
Thermal Spraying



Mechanics
Analysis




Dry Cell and
Battery




Cable and
Accessory Testing




Lighting Technique




Chromatography and
Spectrometry



Material
Analysis



Metallographic
Analysis



Engine and
Vehicle Tests

TESTING LABORATORIES

RD&I SUPPORT, TESTS AND ANALYSIS



**Energy
Planning**

**RESEARCH,
DEVELOPMENT &
INNOVATION**

Cyber Security

**Electric and
Electronic
Systems
(Embedded
Electronic)**

Smart Grids

**Alternative and
Renewable
Energy Sources**

**Energy
Storage**

**Virtual Reality
Systems**

**Electric
Mobility**

**Materials
Technology**

**Mechanical
Systems**

**Hydraulic and
Hidrology
structures**

**Construction
Systems –
conventional
and alternative**

**Integrity and
instrumentation
of structures and
equipments**

**Development
of Prototypes
and
Experimental
Devices**

Some on going Projects

Fernando de Noronha Archipelago

- Tourist echologic paradise in Brazil with ecological and energy resources challenges;

Project related to:

- Energy Storage
- Microgrids

Termosolar Generation



COMPETITIVE ADVANTAGES



PMO BY PROJECT



**LABORATORIAL
INFRASTRUCTURE**



**EXPERIENCE IN
INCENTIVES
PROGRAMS AND
POLICIES**



**MULTIDISCIPLINARY
TECHNICAL STAFF**



**EMBRAPII UNIT
EMBEDDED
ELECTRONIC**



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www.lactec.org.br