



Universidad Nacional de La Plata (UNLP)

ASCENT - IAME Competence Centre – Strategic Plan

PM Meeting, Barcelona/Spain

10th-12th of July 2019

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Dreams & Goals

Our Mission & Vision

- ✓ Potential market of independent local car racers and racing team owners who don't have access to reliable and low cost test of their developments on engines and racing.
- ✓ Main petroleum refinery (YPF) next to the university interested in test fuels and lubricants on engines



Dreams & Goals

Reaching our ultimate goal

- ✓ Completing already installed facilities with sensors, analysis software and other instruments.
- ✓ Offering measurement services with the engine dynamometer and chassis dynamometer.
- ✓ Training team owners on improving engine and cars performance.
- ✓ Taking advantage of previous agreements between UNLP & YPF.




Operation

Main & supporting activities of ASCENT - IAME Competence Centre

- ✓ Engine testing
- ✓ Chassis testing
- ✓ Engine performance evaluation (power; fuel consumption; torque)
- ✓ Technical reports



Equipment



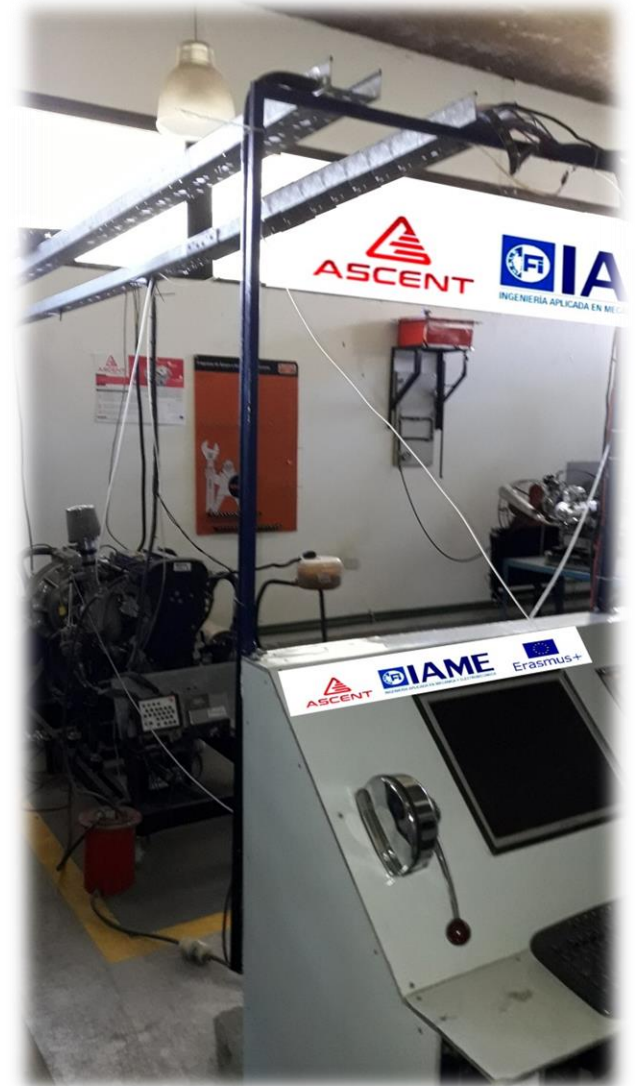
The image shows a black, ruggedized handheld device with three green-lit circular displays on top. The main screen displays a complex software interface with multiple data visualization panels. On the left, there is a vertical bar chart with yellow bars. The top center features a line graph with a yellow trend line. Below it, another line graph shows multiple colored traces (yellow, blue, green). On the right side, there are four circular gauges or meters. The bottom right corner of the screen shows a scatter plot with a color gradient from blue to red. The overall interface is dark-themed with various data points and labels.

Portable Analyser & Data Logger for automotive, motorcycle, marine, aviation, industrial, education/research. Ultra compact & high-accuracy



Location & Facilities

- ✓ UIDET IAME means Researching, Development, Extension and Transfer Unit "Applied Engineering in Mechanics and Electromechanics". Belongs to the structure of UNLP



The Team



- **Gastón Pary**
- **Gonzalo Díaz**
- **Tomás Ceolín**
- **Juan Orioli**
- **Michelle Mattenet**
- **Cristian Bosc**
- **Gabriel Defranco**
- **Verónica Luna**
- **Claudio Martins**
- **Ramón Galache**
- **Gustavo Saralegui**
- **José Scaramutti**



Staff: Technical Advisors

- ✓ Ing. Humberto Pellegrini (Pellegrini Engineering Racing)
- ✓ Ing. Sergio Bustillo (Pellegrini Engineering Racing)
- ✓ Ing. Fernando Curello (Experienced Automotive Advisor)
- ✓ Ing. Pedro Campo (Racing Cars Designer)
- ✓ Ing. Eduardo Brizuela (Former Professor of Mechanical Engineering)
- ✓ Ing. Alejandro Iuliano (Technical advisor Asociación Corredores Turismo de Carretera - ACTC)
- ✓ Fundación Museo Juan Manuel Fangio



Costs & Fees

Costs

- ✓ Operating costs of the IAME Competence Centre (salaries, energy, maintenance of building): supported by the UNLP
- ✓ Remuneration of the students: within the ASCENT budget.
- ✓ Cost of fuel, lubricants and other inputs are included into tests fees.

It is expected that the business profits after paying costs of fuel, oil and other inputs will be reinvested in additional equipment as well as equipment maintenance

Fees

- ✓ Engine test bench: TB US\$/hour
- ✓ Roller bench: RB US\$/hour
- ✓ Technical report: TR US\$ each



Customers

- ✓ **Target group** is integrated of local racing teams and petroleum industry.
- ✓ Key channels to reach teams & companies of the target group are mainly personal contacts.
- ✓ Then commercials agreements will be made.
- ✓ UNLP has previous agreements with some companies.



ASCENT - IAME Competence Centre

Competences for competition (Tagline)

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Any Question?

Strategic plan [HERE](#)

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