Throughout its history, the ACO has placed all of its energy in the service of road users.

MOBILITY ISSUES & INTERNATIONAL

The ACO positions itself as an independent and responsible actor, contributing to the role of cars at the heart of mobility, its issues, and the developments at the international level.

CULTURE, PASSION & EXCHANGES

The ACO holds perennial cultural in the role of the automobile, allowing to favorise exchanges around a shared passion of the automobile, for both the competition and the tradition, education, and training.

LEGITIMACY

The ACO's legitimacy is rooted in its permanent action, seeking excellence for over 110 years around the organisation of sporting events, and primarily the 24 Hours of Le Mans (1923) and the World Endurance Championship (2012).

NEW TECHNOLOGIES

The ACO has organized original technical and sporting rules to support the technological innovation in various sectors including security, sustainable development, and connectivity.

THE ACO : A CONTRIBUTOR TO MOBILITY

2011 LED Lights

2006 Racing Diesel

1998 Hybrid Engines

1974 Turbo Engines

1962 Lodine Headlights

1953 Disk Brakes

1927 Front-Wheel Drive

1926 Anti-Fog Headlights

1922 Road Surfacing

Motor racing has always pushed constructors to innovate.

It has also allowed to test the validity of the innovations.

The 24 Hours of Le Mans plays a special role, adding, reliability-testing to research and performance
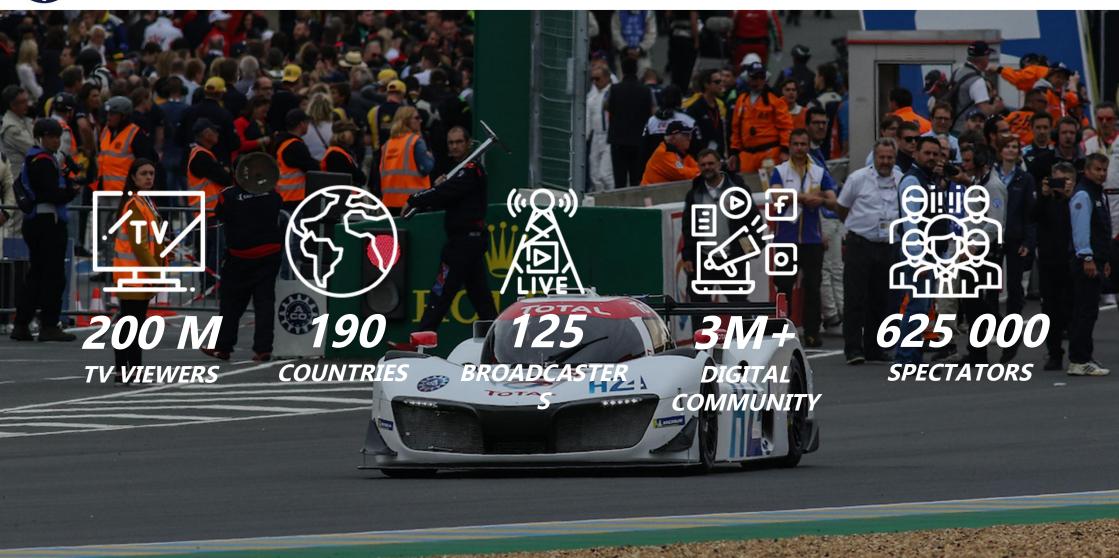
By looking at the history of the 24 Hours of Le Mans, we observed that many innovations introduced in the race have later been applied to cars used by the general public.

200 M
TV VIEWERS

190
COUNTRIES

125
BROADCASTERS

3M+
DIGITAL COMMUNITY

625 000
SPECTATORS

The Automobile Club de l'Ouest has put in place a public-private taskforce uniting:

- The city of Le Mans
- The "Sarthe" Department
- The "Pays de la Loire" Region

The task force is currently developing several hydrogen projects including:

- A fleet of hydrogen-powered public busses.
- A fleet of hydrogen-powered emergency track vehicles for the Le Mans circuit.
- A hydrogen recharging station for these fleets.

Other potential projects are currently under consideration, including :

- A fleet of corporate vehicles (taxis, transport vehicles, waste collection vehicles...)
- Other public services (mail, last mile delivery...)

FIA
Incubateur
Vedecom
Sarthe
ID4CAR
Le Mans
Technocampus
Label Ponts et Chaussées Nantes
Accoustique
PAYS DE LA LOIRE
IFSTTAR Nantes
INRIA
Cité de l'objet connecté Angers

SPORTING TIMETABLE

THE CALENDAR IN 3 STEPS

LEARN

2019 - 2020

GREEN GT - MLMC

Learning through in-race conditions

Modest Performances

Writing a story

TEST

2021 - 2023

GARAGE 56, ELMS & 24 HEURES DU MANS

Garage 56 ELMS 2021-22 2024 Foreshadowing Improved performance

Garage 56 24h 2023 : Final test before 2024

2024 Refueling infrastructure

PROVE

2024

SPA (WEC), 24 HEURES OF LE MANS WEC 2025

Specific H2 category 6 vehicles

Rules permitting to compete for victory

MISSION H24

PIONNEER PROJECT

- International reputation of the 24h of Le Mans: First zero emission vehicle at this level of competition and autonomy.
- Ecological, economic, and political repercussions – high impact on all stakeholders
- Promising project able to motivate younger generations : Research in technology defending the planet

AMBITIOUS PROJECT TO DEMOCRATE THE EU'S ENGAGEMENT IN HYDROGEN TECHNOLOGY

- Technological challenges are important : Succeeding in them would be a true technological demonstration for the companies involved
- Wide dimension of the project going far beyond a « simple » sporting competition project, or adding logos.
- For example, Bertrand Piccard has declared wanting to participate in the 24 Hours of Le Mans in a hydrogen-powered vehicle à   impact on the general public and decision-makers due to his fame. This challenge   attracts this type of opinion builders

H_2O

AN INVESTMENT FOR THE FUTURE: DIRECT BENEFITS FOR HYDROGEN MOBILITY

- Several technologies developped in competition are useful for the development of hydrogen-powered heavy transport
- Heavy duty fuel cells
- High hydrogen flow rate and associated thermal problems
- Rapid refueling
- Refueling infrastructure using high quantities of hydrogen
- Conformal Tanks

THANK YOU

Automobile Club de l'Ouest

Circuit des 24 Heures
CS21928,
72019 Le Mans