



TEAM BINDER

ROBO'LYON

The FIRST French Team



TEAM 5553

WWW.ROBOLYON.COM

AN EXTRAORDINARY

ROBO'LYON

Robo'Lyon is the first French team to participate in the FIRST® Robotics Competition.

It was created in 2014 by Anthony Dailly. He discovered the FRC during a trip to North America.



THE CHALLENGE

Being French implies a trip to America. It is a great experience, but also a great challenge. It is one of the reasons that motivates us to build a French Regional.

PROMOTION OF FIRST

Our purpose is to promote the competition in our country to expand FIRST® community. We want to engage young people's interest in STEM. We are currently creating new French teams, and we are organizing a French FRC regional in order to federate and develop the FIRST European community.



HUMAN EXPERIENCE



2021 WINNER OF THE INNOVATION AWARD

Last year, we won the Global Innovation Award. We conceived a device that could help patients suffering from Parkinson's disease to walk.

OUR OTHER SUCCESSES

Since our creation, we never stopped innovating, evolving and growing, Here are some of our achievements.



THE FRENCH SPOTLIGHT

These amazing successes give us access to the French Medias spotlights. It is extremely important for us to use this visibility in order to make the FRC known to the largest amount of people.

5553 THE FIRST

STUDENTS

In France high school lasts 3 years. Therefore, the team is composed of around 30 students from 15 to 18 years old.



MENTORS

Our mentors are devoted to the team on their free time. Mentors play a crucial role in the team, but they do not impose their vision to the students.

On the contrary, their role is to encourage free thinking, initiative and communication within the team.



OUR GENERAL HIGH SCHOOL

We all come from the same highschool: Notre-Dame de Bellegarde. But Robo'Lyon is an extra-curricular activity. Indeed, we don't have class of technology, or robotic. Thus, Robo'Lyon allows us to gain a professional experience and technological skills.



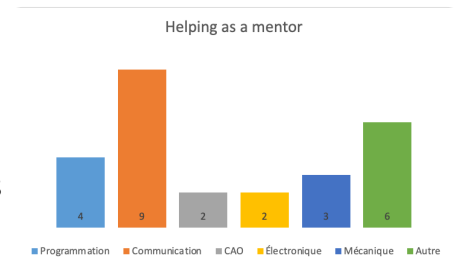
FRENCH TEAM



ALUMNI

Alumni are very important to the team. They are our source of inspiration, the examples we want to follow, but also the MASTERS we want to SURPASS. Most of them return to the team as mentors.

100% of the alumni recommend Robo'Lyon
100% of the alumni credit Robo'Lyon for giving them valuable skills for professional careers

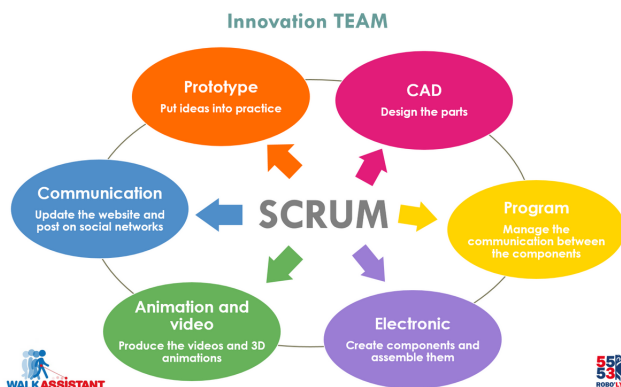


THE FUTURE GENERATION

We mentor FLL teams, that are called : Robo'Lyon kids. We give a huge importance to the KNOWLEDGE TRANSMISSION. Indeed, we believe that STEM should be ubiquitous in kid's learning. A huge proportion of these FLL team members apply to join Robo'Lyon when they enter highschool.



AN EFFICIENT METHOD



We use the agile method : SCRUM. Everyone chooses a "specialty": CAD, business, programming or mechanical. However, specialties are not isolated, every project gathers students from several specialties.

WE WON THE GLOBE AWARD

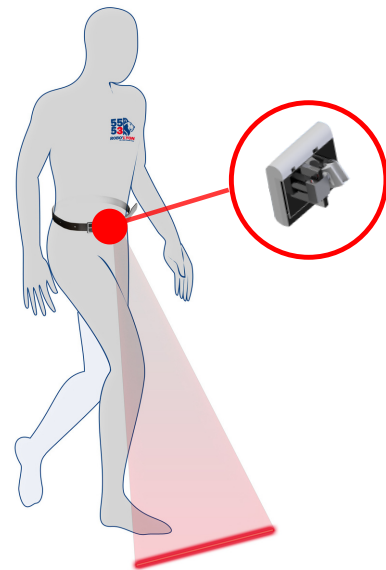
A PROBLEM: PARKINSON'S DISEASE

Gérard, the grandfather of one of the team member suffers from Parkinson's disease. He is the starting point of our innovation.



A SOLUTION: OUR INNOVATION

To restore Gérard's mobility, we came up with the idea of lasers that throw lines on the floor, fixed on a belt. We created many prototypes and tested them on Gérard.



"The Head of State congratulates you for your commitment to the inclusion was internationally awarded. He also sends you all his encouragements, w

BAL INNOVATION IN 2021

With our device, Gérard walks again. It is our biggest success.

If winning this Challenge is an amazing reward, the thought of helping Gérard and many others is our greatest victory.

A RECOVERED MOBILITY



STANT

NEXT STEPS OF OUR INNOVATION

- Planification of workshops with patients and professionals
- Design of a new version of our prototype
- Building of a series of 50 prototypes
- Testing on patients
- Creation of the final version
- Industrialization phase



FRANCE
PARKINSON

A GRATITUDE LETTER FROM EMMANUEL MACRON, OUR PRESIDENT

of people with disabilities, through your project which
wishing your creation meets the success it deserves."

Emmanuel Macron, 2022



WE ARE BRINGING

INITIATED BY ROBO'LYON



Since the beginning, we always had the idea of bringing FIRST in Europe, in order to extend the FIRST experience to the largest amount of students.

SUPPORTED FRENCH IND

We have the support of with many french companies, Dassault System, Ubisoft, St



2015

2021

ENCOURAGED BY FIRST



CHRIS MOORE
CEO OF FIRST

Dean Kamen and Chris Moore encouraged us to continue this conquest of Europe.

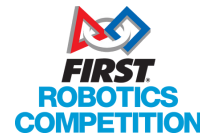


DEAN KAMEN
FOUNDER OF FIRST

2023

NEW TEAMS

We are helping the creation of new French FTC and FRC teams.



+30



+30

FIRST TO EUROPE!

BY THE INDUSTRY

the Employers Union,
panies like Dassault
aubli, Gonzales...



SPONSORED BY OUR GOVERNMENT

We contacted our
government, and we
received their support.

Our movement is
SPONSORED by our
Minister of Industry.

We also reached out to the
French senator François-Noël
Buffet. He encouraged us and
offered us some support.



Agnès Pannier-Runnacher, the
French Minister of Industry

2022

THE LAUNCH:

MARCH 15TH, 2022



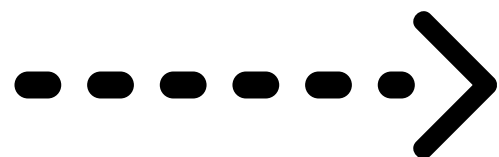
2024: THE FRENCH FRC REGIONAL

We are building the first
FRC Regional in Europe.



2024





WE INSPIRE

FIRST CONTACT IN 2022

To start, we contacted 80 highschoools all around the country. 18 were immediately interested in joining the competition next year.



NEW TEAMS IN 2023

6 of them will already start next year as FRC teams, during a blank year

7 new FTC teams will be built before the year 2023

5 more highschoools will follow us during 2023, and begin in 2024

They all followed the 2022 Kick Off through a Zoom meeting, and we will keep a strong contact with them in the future.

OFF-SEASON EVENT

With these new teams, we are planning on building an off-season event by the end of the year 2023.



YOUTH



WORKSHOPS

We try to inspire as many students as possible to do STEM. Indeed, we regularly go to highschools in our region to organize workshops around science, technology, and robotic.

MENTORING KIDS

Members of our team mentor FLL teams. We give great importance to the transmission of what we learned from the FRC.



TEDx PRESENTATIONS

We want to inspire the largest amount of students. Therefore, we often give presentations. For example, a member of our team gave a TedX conference in front of hundreds of people.



CONNECTED WITH

THROUGH AN AMBASSADOR



This year, we have a new Ambassador : Hervé de Maillard. He discovered us through an intervention we did, and he was immediately impressed.

We benefit from his huge network of companies' CEO throughout France.

THROUGH CONFERENCES



We went to the event "l'Entreprise du Futur" in July 2021 to present Robo'Lyon. It is an event that gathered around 700 CEOs.



We presented the FRC at the industry festival organized by UIMM (=Union of Metallurgical and Mining Industries) in July 2021.

THE FRENCH INDUSTRY

THROUGH TECHNOLOGICAL FAIRS



We had our own space to the biggest entrepreneur fair in Europe: the BIG 2021



We gave 2 interviews where we presented Robo'Lyon and FIRST in front of thousands of people. The event was broadcasted, and viewed by more than 19 millions people.

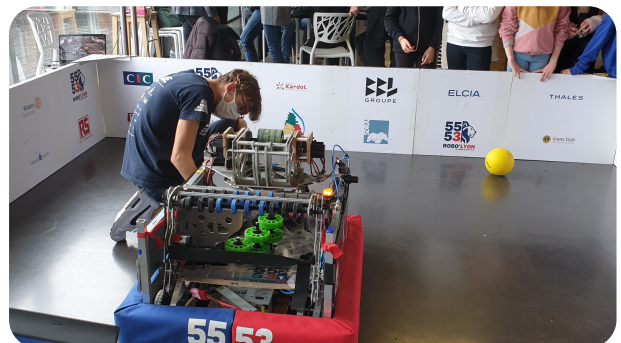


We involved the visitors: they could take control of the robot through small challenges.



We presented our robot at the famous competition of the Worldskills.

Robo'Lyon was also present at the NAIA.R event



US AND OUR OUR LOCAL SALES



Salmon's sale

Christmas tree sale

Chocolate croissant's sale

It is very important for us to keep a strong contact with our local community. This is why we organize several local events through the year.



OUR PARTNERS



We are surrounded by many partners. They help us they are aware of our progress, which is why we invite them to our workshop.

COMMUNITY

CHARITY

We have a partnership with the Lions Club and the Rotary. Together, we organize several actions. For example, we coordinated a glasses collect in our school for people in need.



They were then cleaned, bagged and distributed by doctors in Africa, Southeast Asia and South America. This was a real success as we collected more than 300 glasses.

SUMMER CAMP

OUR TRADITIONAL WAY TO RECRUIT

Last August, we organized our traditional camp open to young people in our region. The working sessions were punctuated by presentations and workshops on FIRST and the FRC. This camp was, as usual a real success. In fact more than half of the campers applied to join the team a few weeks later .



TNERS



financially and technically. We find it essential that we send them a Newsletter every month, and we often go, to show them our robot.

ALL OVER THE



TV

A TV report made by FRANCE 2 about the FRC and our team

It gets around 600,000 viewers per video.

france•2



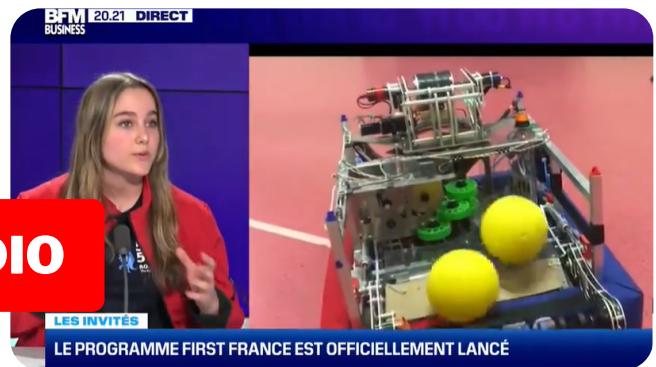
Gabriel Bran Lopez,
founder of Robotique First Quebec,
gave an interview about the launch of
Robotique First France, on the
channel BFM Business



A TV report on our national channel "FranceInfo"
on the Innovation Award

It gathers around 4.9 millions viewers every days.

franceinfo:



Live interview on the channel BFM TV
It gathers around 1 million viewers every days.



TV

TV report about our Innovation Challenge Award

france•3

france•2



franceinfo:



france•3

LE PROGRÈS

FRENCH MEDIAS

HERE ARE SOME OF THE ARTICLES THAT WERE PUBLISHED THIS YEAR

PRESS

Robo'Lyon remporte le prix de l'innovation avec sa ceinture laser
L'équipe des lycéens de Notre Dame de Bellegarde a gagné le trophée de l'innovation du concours international "First robotics competition" ce mercredi 30 juin au soir. Sa ceinture laser qui aide les malades de Parkinson à marcher a fait mouche.



Neuville : les lycéens de Robo'Lyon sur France Info TV



LE PROGRES

Éducation
Métropole de Lyon

Une ceinture laser pour les malades de Parkinson à Neuville-sur-Saône

25 lycéens de Notre Dame de Bellegarde font partie de la seule équipe française qui participe au concours international de robotique « First robotics competition ». Leur ceinture laser qui aide les malades de Parkinson à marcher fait partie des finalistes du prix de l'innovation.

Par Sandrine MANGENOT - 30 juin 2021 à 06:00 - Temps de lecture : 3 min

1 Vu 593 fois



La FRENCH FAB

Champions du monde de robotique, les lycéens de Robo'Lyon au service de l'Industrie du Futur

2 septembre 2021 | Dossier

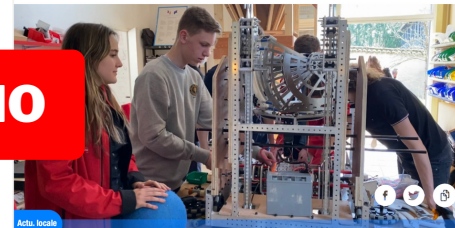


RADIO

ÉCOUTER RADIO SCOOP

ROBO'LYON : LES PETITS AS DE LA ROBOTIQUE PLAIDENT POUR UN CONCOURS EN FRANCE

Mardi 16 Mars - 07:00



SOCIAL MEDIAS



1,692 followers



2,115 followers



24,000 views



500 relations

We publish very regularly about our activities, FIRST and the FRC.
With our publications we reach out to more than 20,000 people.

In short, Robo'Lyon is...

AN EXTRAORDINARY HUMAN EXPERIENCE

Passion - Commitment - Cooperation

A COMPLETE TEAM

Students - Mentors - Alumni - Kids

AN INNOVATION FORCE

The Parkinson's disease - A concrete solution - A recovered mobility

A FOUNDER OF FIRST[®] FRANCE

Initiated by Robo'Lyon

Sponsored by the French Government

Supported by French companies

A KNOWLEDGE TRANSFER TO YOUTH

Highschool workshops - Presentations - 13 new teams in 2023

A CONNECTION WITH THE INDUSTRIAL WORLD

Conferences - Exhibitions - Competitions

A CONTINUOUS COMMUNITY ANIMATION

Local actions - Charity - Partners

A PRESENCE ALL OVER MEDIAS

TV - Radio - Papers

Local - Regional - National

CHECK OUR WEBSITE

