



# Global Junior Challenge

Projects to share the future

Published on *Global Junior Challenge* (<https://gjc.it>)

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## Project Location

**Country:** Italy

**City:** Gorgonzola (MI)

## Organization

**Organization Name:** ITIS G. Marconi

**Organization Type:** School

## Website

[www.automatos.eu](http://www.automatos.eu)

## Privacy Law

Consenso al trattamento dei dati personali

**Do you authorize the FMD to the treatment of your personal data?:** I do authorize the FMD to the

## Project Type

Education up to 18 years

## Project Description

**Description Frase (max. 500 characters):**

The project aims to involve students and teachers in a partnership with the characteristics of a modern international enterprise, to prepare new generation to the challenge of the actual labour market. The partners bring their different skills (Mechanics and Electronics Poland, Informatics and Artificial Intelligence Italy) in an international cooperation with the clear goal to develop a robot to take part in the RoboCup Junior 2016 in two years.

**Project Summary (max. 2000 characters):**

The immediate need for starting the international cooperation and writing the project is one of the objectives of the Erasmus+ Programme, such as development of young people of our schools in different areas of education, the desire to understand other cultures and establish new friendships based on common interests, the necessity of promoting the take-up of practical entrepreneurial experiences in young people.

Also the willing to increase our effort in the Robotics engagement, as our schools have been working in this field for years in different direction. Now the students and teachers desire is to take part to the Worldwide RoboCup junior 2016. As in our schools there are not all the necessary resources to develop a complete robot, for example the Italian partner school has not a Mechanics department, we decided to look for partners abroad, aiming at a double challenge: the Robotics competition and, on the other side, the challenge to work with people far away from us, like in the modern globalized labour market. So we decided to achieve that giving us the structure of a modern international enterprise, studying the laws that regulate them, and following the normal procedure followed to manage an international project.

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To obtain this result students will be involved in all the steps necessary to set up and manage a company in their country and a joint venture with two EU co-venturers.

Teachers of different subjects are engaged. Students with different skills and age work together. There are two partners involved in the project, Italy and Poland Italy, the language of communication is English.

## **How long has your project been running?**

2014-08-30 22:00:00

## **Objectives and Innovative Aspects**

The main objectives our project is focused on, are:

- introduce students to the typical structure of a modern international enterprise;
- give them the chance to appreciate the importance of English;
- let them take part in a challenge with people with a common goal, as it happens to people in society or work framework, trying to make students more responsible;
- give teacher the chance to start working with CLIL.
- acquire Robotics skills.

Our schools already have Robotics clubs, students already take part to Robotics competitions, they have curricular lesson on Robotics. But with this project they can realize that a long term plan and an organization is necessary to reach an important goal and appreciate the need of rules and responsibility inside a group to make the group work. They can also learn to get acquainted with laws and procedures needed to set up a national and international company and try to set up the work environment. With this project they can be aware of the reason for joining far away living people to overcome difficulties and reach a goal and fully appreciate and experiment several aspects of working together in an international environment.

The core of the project is setting up an enterprise, so we follow the typical way of working of the productive world. Any partner sets up a company with its organizational chart, with specific tasks and responsibility for any students taking part in the project. Pupils have to take care of

the different aspects of management and planning and production, teachers act as supervisors and guides. Students work is supervised by local coordinators. Students exchange information through modern means of transmission (telephony-including VoIP tech., Skype), video conferencing, email, instant messaging, website. Cooperation will be obtained also with frequent access to the website itself, which will become the place where students and teachers virtually meet and work together.

## Results

**Describe the results achieved by your project How do you measure (parameters) these. (max. 2000 characters):**

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**How many users interact with your project monthly and what are the preferred forms of interaction? (max. 500 characters):**

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## Sustainability

**What is the full duration of your project (from beginning to end)?:** From 1 to 3 years

**What is the approximate total budget for your project (in Euro)?:** From 30.001 to 75.000 Euro

**What is the source of funding for your project?:** Grants

**Specify:** Istituto Tecnico I

**Is your project economically self sufficient now?:** Yes

**Since when?:** 2015-07-30 22:00:00

## Transferability

**Has your project been replicated/adapted elsewhere?:** No

**What lessons can others learn from your project? (max. 1500 characters):**

Any product of the project will cover. Any drawing, Resource, in an electronic format stored in the project website.

**Are you available to help others to start or work on similar projects?:** Yes

## Background Information

**Future plans and wish list (max. 750 characters):** Some products (particularly constructed robots, created long time in our schools during the robotics classes) will be used during the same time. These products can be used during regional workshops on Erasmus+ program for their further education and teachers to disseminate the project. The main dissemination tool for produced documentation is the website. We are interested in robotics. The description of the project is available on the website. We are interested in producing documentation through the website.

Robotics [1] international [2] ICT [3] erasmus+ [4] entrepreneurial [5]

Fondazione Mondo Digitale

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