



# **AUTOMOTIVE INDUSTRY EXPORTERS' ASSOCIATION VOCATIONAL AND TECHNICAL ANATOLIAN HIGH SCHOOL**

**SUSTAINABILITY STUDIES-MARCH 2021MART-2021**



## ABBREVIATIONS:

### **UNSDG**

United Nations Sustainable Development Goals

**BREEAM/Green Building:**BREEAM (Building Research Establishment Environmental Assessment Method)

**CIM Team:** Continuous Improvement Model Team

### **OİB MTAL:**

Automotive Industry Exporters' Association Vocational and Technical Anatolian High School

### **UNDP:**

United Nations Development Program

### **UN Global Compact:**

United Nations Global Compact

### **UÜ SBMYO:**

Uludağ University Vocational School of Health Sciences

### **Green Campus:**

A voluntary formation which set out for a sustainable and climate-friendly environment.

### **YTU:** Yıldız Technical University

<https://kampus.yildiz.edu.tr/2020-ytu-surdurulebilir-kampus-raporu>

<https://www.breeam.com>

<https://www.haberler.com/turkiye-nin-ilk-yesil-bina-sertifikasi-otomotiv-4187331-haberi>

[http://www.martid.com/assets/content/publication\\_archive/2014-02\\_xxl\\_yesil-binalar-referans-rehberi.pdf](http://www.martid.com/assets/content/publication_archive/2014-02_xxl_yesil-binalar-referans-rehberi.pdf)

<https://uib.org.tr/tr/uib-gundem-oib-teknik-ve-endustri-meslek-lisesi-turkiyenin-ilk-ve-tek-yesil-okulu-oldu.html>



Dear Stakeholders,

We know that the world today is in a very rapid and huge process of change.

The rapidly changing conditions and global trends shaped by these conditions have a great impact on the education sector as well as on all sectors.



Our school, which started its educational life in 2010, with aim of "We are raising people to improve life", updated within the basis of today's conditions which we briefly mentioned, accepts the speed and magnitude of change as a driving force in every field, and is rapidly moving towards its Purpose, Vision and Mission with the wind of change that fills its sails rather than leaving itself under the influence of this wind of change.

OİB MTAL is taking firm steps towards becoming a sustainable-based model school where the future is lived, with its educational environments and processes based on innovative foundations, R&D studies, exemplary practices where digitalization is centered, and most importantly, with the belief, determination and energy it takes from the "youth".

From now on, as it has been until today, we will keep taking this road with all our stakeholders thanks to the strong ties we have established.

While planning all our activities in our sustainable value creation processes, we follow the sectoral agenda and prioritize 6 items within the UN Sustainable Development Goals within the framework of our competencies.

With this first report, which we see as the basis of our corporate sustainability activities, we are both happy and proud to present to you, our valuable stakeholders; our educational, social, environmental and economic performance and the values we have revealed

I would like to thank all of our stakeholders, especially my colleagues, who contributed to our work, some of which we have presented in this report.

Metin SEZER- The Principal

# EXCELLENCE AT OİB MTAL / SUSTAINABILITY

We strengthen the life by supporting the UN Sustainable Development Goals.



## EXCELLENCE AT OİB MTAL / SUSTAINABILITY

OİB MTAL announced its understanding of «**Excellence/Sustainability**» to its stakeholders by participating in the KalDer Bursa Quality Award Process in 2013. In structuring our management system and strategies, and in our plans in this direction, the "**Feedback Report**" of the Incentive Award we received in 2013 process, has been our guide.

By signing **The Declaration of Goodwill on National Quality Movement** with KalDer; OİB MTAL announced its understanding of excellence, determination on sustainability, its taking them as a way of life and management tool to its stakeholders. (January 2021)

In order to reach our purpose of **“We train people to improve life.”**, to share our successful applications with our ecosystem and to make our school more effective and respectable in international areas, we carry out all our work with the responsibility and motivation of being among the participants of the National Quality Movement.



 **İYİ NİYET BİLDİRGESİ**  
imzalandı  
Ulusal Kalite Hareketi

In OİB MTAL, we adopt the **Sustainable Development Goals** published by UN, in all our operational planning and approaches in accordance with our purpose.

It has been determined that we focus on 6 items of UNSDG, with the analyzes we made on the studies we have carried out in order to create a sustainable value since our establishment.

The 6 items we prioritized in this context are listed below and the activities related to them are shared in our report.



## We aim for a greener, environmentally friendly and sustainable high school life.

OİB MTAL decided to continue its work with the consciousness of its responsibility of development, implementation and dissemination of responsible work within the framework of Sustainable Development Goals implemented in more than 170 by UNDP in January 2016 and the UN Global Compact implemented in 2020.

We consider the steps we take while raising the young people who are our future not only in their technical and academic dimensions but also in their educational, technological, environmental, social and ethical dimensions.

We take our responsibility today in the production of emission-free vehicles that can take their place on the streets of "smart" cities.



## We aim for a greener, environmentally friendly and sustainable high school life.

In accordance with this goal of ours, we opened Electric Vehicles Branch in the Field of Motor Vehicles Technologies with the decision of our ministry.

We got the approval of the R&D unit of our school, we designed its project and now are in the process of furnishing it.

By following the new trends in education, we are developing projects to implement new business models such as digitalization, innovation, etc., which started with the epidemic period and are expected to continue in the coming periods.

With this summary report, OİB MTAL has decided to follow its strategy, performance, goals and progress in educational, technological, environmental, social and ethical fields and has shown its determination to take responsibility and raise awareness for a "sustainable future".





**ÖİB MTAL, with its total area of school and hostels under the same roof, ie;**

- ▶ **33.000 m<sup>2</sup> closed area,**
  - ▶ **2800 m<sup>2</sup> open area,**
  - ▶ **1050 students,**
  - ▶ **120 employees**
- continues to create value**



## OİB MTAL 2019-2023 Strategic Plan



OİB MTAL 2019-2023 Strategic Plan is prepared with the format of our Ministry, with 3 main themes, and is revised in September 2020.

It is unanimously decided by the Board of Teachers at the beginning of the year that all activities to be carried out under the title of 3 main themes should be planned and carried out, taking into account the emphasis on **SUSTAINABILITY** and that, in another board meeting held in January 2021, our determination must be shown with a more systematic study by creating our statement.

Our school, which is established in 2010 with an award-winning architectural plan and started education the same year, has always attached importance to sustainability in its works within 10 years.

Our school CIM (Continuous Improvement Model) team; **decided to focus on 6 items** among the 17 targets that are the new targets of the global agenda and that the member countries are requested to adopt within the framework of our competencies and the results of the analysis of our 10-year studies in the workshop during the January 2021 Seminar Period.

The performance of the work we will do in accordance with this report will be monitored by the CIM team and reported to the school administration every year in June. The target set in all studies will be taken under record in SDG Annual Follow-up Chart.

On its website and social media accounts, OİB MTAL shares its sustainability studies with the activities it has carried out over the years within the focus of our Ministry's 2023 Education Vision.

# CURRENT STUDIES CARRIED OUT OVER THE YEARS AND CURRENTLY AT OİB MTAL



**In this section, you will find practice examples of our school's sustainability studies between the years 2010 and 2020.**

**Our school administrators, employees, our founder Automotive Industry Exporters' Assosiation and our stakeholders have devoted contributions to these practices..**





We monitor our sustainability performance on the "EVeP16" portal of Bursa Provincial Directorate of National Education and take precautions to improve our data.

# On an annual basis via the EVeP16 portal:

- ▶ Number of trees prevented from being cut down,
  - ▶ The amount of water saving,
  - ▶ Energy saving (kwh),
  - ▶ Amount of greenhouse gas emission prevention (kg),
  - ▶ Save on petroleum,
  - ▶ Storage space saving (m3),
  - ▶ Glass raw material savings,
  - ▶ Metal raw material saving (kg),
  - ▶ Compost production (kg),
  - ▶ Biodiesel production (lt),
- are being followed.




SIFIR ATIK



# Waste and Recycling Quantities



 <b>EVeP 16</b>	
2019-2020	Amount Delivered to Nilüfer Municipality for Recycling in 2019-2020
Waste Oil	870 kg
Paper	1886 kg
Plastic-Glass-Composite-Other Waste	4808 kg
Blue Cap	20 kg
Battery	40 kg



Every year between 2015-2020, the activities of planting trees and greening our school, which are included in our annual activity plan within the scope of environmental awareness, are carried out by our Environment Club.

### Number of Trees Planted by OİB MTAL

2015-2016	90 TREES (Regional Directorate of Forestry)
2016-2017	145 TREES (Regional Directorate of Forestry)
2017-2018	120 TREES (Regional Directorate of Forestry)
2018-2019	150 TREES (Regional Directorate of Forestry)
2019-2020	100 TREES (11 million trees campaign)
2020-2021	50 TREES (Mother's Day - Adoption of trees)



### OİB MTAL Memorial Forest:

A memorial forest has been created with trees planted in the name of all our teachers in the backyard of our school on 2018 Teachers' Day.





- Our students received degrees by representing our school in the competitions on "ENVIRONMENT" organized by BURSAGAZ in 2015.
- In 2011, our school organized an "ENVIRONMENTAL" event with MATAY and the photographs that our students won awards in the competition within the scope of the event were exhibited at KORUPARK. We have made a budget planning for our exhibition works in the new period.
- With our solar panels system, 35 kWh energy is produced and contributed to the system.



# GREEN CAMPUS



In our school campus, we continue to work towards the goal and requirements of reaching the **GREEN CAMPUS.**



## ▶ EU Erasmus + Projects

### ▶ WE ARE ACCREDITED IN THE FIELD OF VOCATIONAL TRAINING IN EU Erasmus + PROJECTS - MARCH 2021

- ▶ 2014-2016 Clear cyber bullying: End cyberbullying
- ▶ 2016-2018 Digi for social: Digital learning / Creating educational content
- ▶ 2018-2021 European Internship for Qualified Workforce in Renewable Energy Systems
- ▶ 2020-2022 Automotive High School is in the European Internship in the Track of Electric Vehicles

### ▶ e-Twinning Projects ( 2016-2021)

- ▶ I AM EMPOWERED AGAINST CYBER BULLYING
- ▶ COMMON WORDS SET CULTURAL BRIDGES TO UNITE US IN PANDEMIC
- ▶ A LIFECYCLE OF MOBILE PHONES: FROM PRODUCING TO RECYCLING
- ▶ IF I WERE A BOOK
- ▶ I CODE MY LOGIC WITH PYTHON
- ▶ THE ART OF CODING WITH ARDUINO
- ▶ BE HEALTHY, BE HOPEFUL FOR THE FUTURE!
- ▶ IT'S MY LIFE!
- ▶ LIKE MEVLANA



## QUALIFIED EDUCATION

- ▶ Guidance studies: Increasing success/ Motivation/ Coping with exam anxiety,
- ▶ Studies on disadvantaged individuals/Introducing higher education institutions,
- ▶ Giving a seminar on the importance of healthy life and breakfast to the 9th graders at the beginning of the year every year in our school,
- ▶ Wellness programs planned and conducted by UÜ SBYO trainee nurses until this year and by our school nurse this year,
- ▶ Implementation of the development plan prepared by English Language Teachers in order to maximize foreign language learning,
- ▶ Innovative Project School (e-Twinning is one of them),
- ▶ English Placement Tests in cooperation with TÖMER to follow the progress of the students.





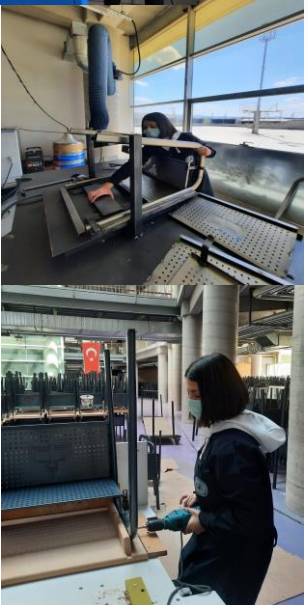
# STUDIES ON GENDER EQUALITY (In Planning/ Collaboration Phase)



## Engineer Girls of Turkey/ Limak Foundation

With the cooperation of our school, we started working together with the training of our teachers for our female students.

(The Engineer Girls of Turkey Project was launched in 2015 with the partnership of the Ministry of Family, Labor and Social Services, UNDP Turkey and the Ministry of National Education, in order to contribute to the economic and social empowerment of our country by enabling women to take more part in engineering.)



## BUMKAD in High School Career Guidance for Female Students

With the "BUMKAD in High School" project, volunteer coaching will be provided by the Bursa Association of Engineers in order to open new ways and horizons for our female students to see science and engineering, and to help our female students who want to become engineers to make their career choices.

In addition, BUMKAD Academy and Futurism Teams will organize training and interviews for all our students.



## STUDIES ON GENDER EQUALITY (Completed projects)

Valeo

«Girls on the move-girls at work»  
Project

2017-2018

Our 11th and 12th grade female students were coached by the volunteer female engineers of Valeo, and 9 female students selected for the project received their training in a real business environment with their coaches one day a week in order to attract the attention of our students in the fields of science, and technology and to provide them with the opportunity to pursue careers in these fields.



## STUDIES ON GENDER EQUALITY (Completed projects)

### OİB MTAL "girls' meeting"

Successful female executives in the male-dominated automotive industry are brought together with our employees, especially with female students during the Otofest program.

### Innovation Trainings

Interviews to encourage the participation of female students in our protocols,

In cooperation with TEV, our female students benefited from scholarships of Turk Tractor.

Interviews of our female vice principals with our female students



## STUDIES ON GENDER EQUALITY

In our hostel with a capacity of 280 students, we increased the female student capacity from 50 to 140 in 2020.





## STUDIES ON GENDER EQUALITY

At the events held at our school every year as part of the International Working Women's Day on March 8, we congratulate our female students, as well as our female employees, who are the future female employees, and raise awareness.

The female assistant staff working in our school are employed from the surrounding villages.



## Number of Employees and Students in Our School (As of February 2021)



47

Female Employee

63

Male Employee

974

Male Students

72

Female Students



The number of female students in our total number of students increases every year. We carry out various approaches and studies for the continuity of the increase. We have female students in all 6 areas in our school.

## INDUSTRY, INNOVATION AND INFRASTRUCTURE

“Cooperation in Vocational and Technical Education” protocol, which aims to continuously encourage the professional development of our school teachers, to design the training areas together with the sector, and to increase the quality of our graduates and to prepare them for business life, was signed between Bursa Governorship, Bursa Provincial Directorate of National Education and Automotive Industry Exporters' Association (OIB).

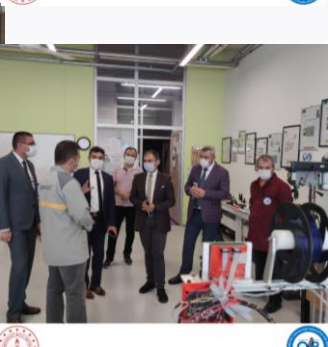
With the decision to open the Electric Vehicles Branch, which is pioneered by the sector, our studies started by establishing the Electric Vehicles Advisory Board. Cooperation protocol studies with TOGG continue. 2021



## INDUSTRY, INNOVATION AND INFRASTRUCTURE

Completion of workshop / unit equipment in cooperation with OİB, RENAULT, TOFAŞ, BOSCH REXROTH, COŞKUNÖZ, YEŞİLOVA, AKTAŞ, FORD OTOSAN-2014

- ▶ Grant vehicle/machine support from our collaborations
- ▶ Akzo Nobel Cooperation Protocol (2014-Still ongoing)
- ▶ Fiat Laboratories Protocol-TOFAŞ-2018-Still ongoing)
- ▶ Junior Protocol-OYAK Renault - 2018-still ongoing.)
- ▶ The opening of our school's R&D Center has been approved by our Ministry. The R&D Center Advisory Board and Executive Board have been established and the work continues with the help of two commissions, and the studies of our approved R&D projects continue. 2020
- ▶ Our patent and utility model applications have been made.2020



## INDUSTRY, INNOVATION AND INFRASTRUCTURE

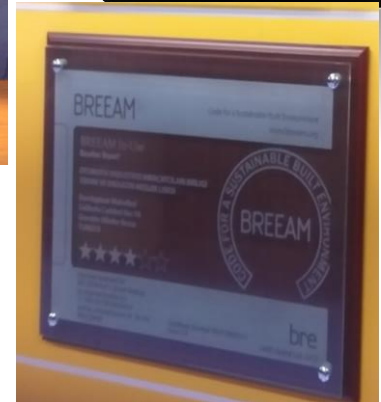
- ▶ 3D printers, tables and desks designed, produced and made available to the industry within the scope of revolving funds were put into use. Our product catalog has been prepared in 3 categories: training sets, machines, desks.
- ▶ Many of our TÜBİTAK4006 projects that serve social and environmental sustainability have been accepted and supported. (In the 2019-2020 Education Period, we were the only school accepted in Nilüfer District with 24 projects in 9 fields.)
- ▶ INOVATIM Training - Certificate Program. (Turkey Exporters Assembly Innovation Trainings 2018-2021)
- ▶ Nilufer District National Education Directorate Innovation trainings, 2017
- ▶ In order to increase the quality of vocational education, investments related to workshop, machinery and equipment, occupational safety, maintenance-repair, in cooperation with OIB.



## LAND LIFE, AFFORDABLE AND CLEAN ENERGY

Rear Window Project - in cooperation with Ford Otosan,

- ▶ Our school is Turkey's first public institution which received Green Building Certificate (BREEAM)
- ▶ BREEAM certification process, solar panels construction,
- ▶ Replacement of all school sink valves with energy-saving appliances,
- ▶ Green Roof/green building/ BREEAM-very good,
- ▶ Green Building: It means buildings that save up to 70%, have a sustainable social and environmental responsibility understanding, use resources efficiently, and are sensitive to the ecosystem.
- ▶ With the increasing interest in environmentally friendly building construction, structures called "Green Buildings" have emerged.
- ▶ Rear Window Project: Rear Window; It is a corporate social responsibility project implemented within the OIB Education Foundation, in cooperation with OIB and Ford Otosan.



**LAND LIFE, AFFORDABLE AND CLEAN ENERGY**

- ▶ (Some of) Ford Transit Connect vehicles, which started to be exported to the USA in 2009, were requested to close the window behind the driver's seat in line with consumer demand. During the production process, many attempts were made to develop alternative parts and 85x50 glass fiber reinforced rigid panels were produced.
- ▶ "Archaeological Artifacts Set" and "Ottoman Artifacts Set" with photographs taken from the **Sadberk Hanım Museum Collection**
- ▶ "Çanakkale Photographs Set" created with the help of the Ministry of National Defence General Staff
- ▶ A "Classic Cars Photo Set" was created with the special frames selected from **Rahmi M. KOÇ Museum Collection** and these sets were presented to our supporters.



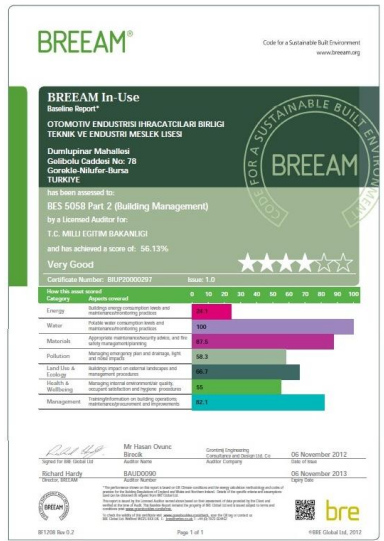


*Our school, besides its being the first and only in Turkey in its field, has become the first and only educational institution with Green Building Certificate.*

## LIFE ON LAND / ACCESSIBLE AND CLEAN ENERGY

Our olive grove with 40 trees on our school plot has been protected and maintained since the project.

- ▶ Bicycle parking area has been created in our school.
- ▶ The transformation of lighting fixtures into energy saving fixtures continues to be carried out within the scope of planning.
- ▶ The used oils are separated with the grease trap system used in the cafeteria for 10 years and environmental contribution is provided. With the waste oil unit, the oil is filtered, collected and delivered to the relevant institutions.
- ▶ Our 2 EU Erasmus + projects (2019/2020) on renewable energy have been accepted, mobility has been postponed due to the pandemic.
- ▶ The Zero Waste Project has been continued in our school for 4 years as per the orders of our Ministry. (We are in the Zero Waste Certification phase of the Ministry of Environment and Urbanization.)





*Our school, besides its being the first and only in Turkey in its field, has become the first and only educational institution with Green Building Certificate.*

## LIFE ON LAND / ACCESSIBLE AND CLEAN ENERGY

**Cloth Bag:** An awareness event was held for our students and staff with the “Bring Your Waste, Take Your Cloth Bag” competition. The cloth bags in this event were produced with the participation of our parents; they were presented to our students and teachers with a ceremony. (2018-2019)



## LIFE ON LAND / ACCESSIBLE AND CLEAN ENERGY

- Making announcements via e-mail, reducing printout:  
By making announcements previously made in return for signature via e-mail at our school (within the framework of the legislation), by using the DYS system saves on printouts. In 2 years, approximately 50,000 paper and printing materials were saved.
- ▶ Waste oil collection competitions: Awareness has been created by asking our students to deliver domestic waste oil to the waste oil unit of our school. Our students were given various gifts for their participation in the competition.
  - ▶ Award: Our school was awarded as the 4th in the district in 2019 in the Nilüfer district in the ZERO WASTE PROJECT, which was carried out in cooperation with Nilüfer Municipality and Nilüfer District National Education Directorate.
  - ▶ Waste Management System, EÇBS-Integrated Environmental Information System and ISO 14001 systems were established.
  - ▶ With the "Waste Management" process within the scope of EVeP 16 (Energy Efficiency Project held in Bursa), the wastes of all departments were separated from the general wastes of the school, as required, and delivered to the relevant institutions. (chemical waste, workshop waste, household waste, medical waste).



# RESULT

OIB MTAL has communicated with YTU for the purpose of comparison in its sustainability studies and uses the published YTU Sustainability Report as a guide to become a SUSTAINABLE SCHOOL (Green Campus). In this context, 3 steps have been determined towards becoming a sustainable school.

# 1-Identification of Main Concepts

**Our Purpose:** We train people to improve life.

**Our Vision:** To be a sustainable-based model school where the future is experienced in vocational and academic education.

**Our Mission:** We raise individuals having 21st century skills, expressing themselves in different languages, sensitive to the environment and people, reaching national and international professional competence, producing and sharing national technology, producing permanent solutions to local and global problems, ready for the higher education institution with its academic infrastructure and having sustainable values.

While having our adolescence students acquire a profession, we draw attention not only to their scientific education, but also to their social orientation in this period in which they gain their personality. As we stated in SP, our management approach based on sustainable value creation is based on the principles of transparency, fairness, accountability and responsibility. Our duties, powers and responsibilities in our organizational structure are clearly defined by laws and regulations, directives and procedures.

## 2-Our Values

- 1) To be loyal to national, spiritual and universal values.
- 2) To be sensitive to life and the environment.
- 3) Being open to change, transformation and continuous improvement.
- 4) To be impartial, reliable, transparent and accountable.
- 5) To be a sustainable school.
- 6) Being student oriented.
- 7) Deciding with common sense.
- 8) To put the expectations of OIB and our other stakeholders at the center.



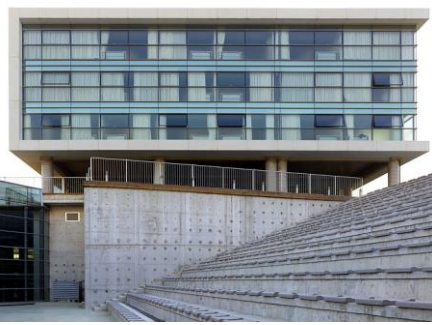
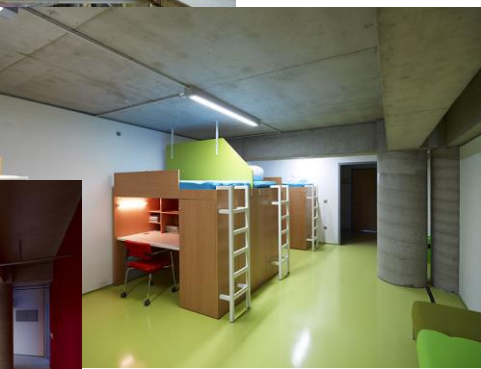
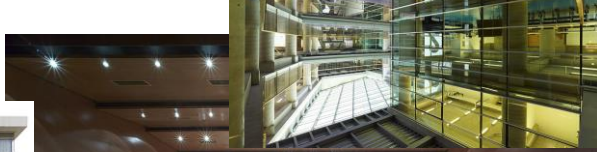
Our values, which guide us in our work, also contribute to sustainable development goals.

HOW PROCESSES SHOULD BE MANAGED AT OİB MTAL, WHAT SHOULD BE DONE TO ACHIEVE THESE LONG-TERM OBJECTIVES?

This question and its answer will be decisive in determining our potentials and on our roadmap.

## 3-Determination of OIB MTAL Potentials

- ▶ Current BREEAM experience,
- ▶ Solar panels,
- ▶ ISO systems in building and institution management,
- ▶ Enev16, ECBS, EFQM, fully equipped support units,
- ▶ Gym, multi-purpose hall, kitchen,
- ▶ Hostel,
- ▶ Amphitheater,
- ▶ Olive grove,
- ▶ Heat center.



## 4-Determining the Roadmap for Being a Sustainable School

- ▶ RENEWAL OF THE GREEN BUILDING CERTIFICATION PROCESS,
- ▶ RESEARCHING GREEN CAMPUS REQUIREMENTS,
- ▶ CONSULTING WITH MEB/OIB ON GREEN CAMPUS WORKS,
- ▶ CREATING GREEN RECREATIONAL AREAS IN THE SCHOOL,
- ▶ CREATING LIVING SPACES WITH LANDSCAPE ARRANGEMENTS SUCH AS HOBBY GARDENS IN THE OLIVE GROVE,
- ▶ SHARING OUR SUSTAINABILITY STUDIES WITH THE PRESS.





We hope that the OIB MTAL Sustainability Studies Report will guide the future studies of our school..

**OIB MTAL CIM Team**

March 2021

