

# **Polytechnical School**

## **Kragujevac**

### **Example of good practice**

From its establishment the School keeps track of the growth and needs of industry of our country.

# Our beginning

- 14th March 1854
- At the request of Charles Lubria (the first director of Gun Foundry), by the decree of Prince Aleksandar Karadjordjevic, the Artisan School was founded at the Gun Foundry, whose main task was to systematically and in a planned way prepare the local professional staff, artisans of various profiles who were needed to the new Institute and also to other industries.

# Our beginning

- 1854 . . . 1888 . . . 1920 . . . 1925 . . .  
1947 . . . 1964 . . . 1972 . . . 1991 . . . 1996  
. . . 2009... 2013 . . .
- From that day the school development has started

# Educational profiles

In the school students acquire knowledge and skills in three educational profiles.

- Mechanical Engineering and Metal Processing
- Electrical Engineering
- Traffic

# Educational profiles

- Mechanical Engineering and Metal Processing
- Operator of mechanical processing - pilot
- Mechanic for heating and refrigeration appliances
- Technician for mechanical energetics
- Car mechanic
- Technician for computer operation
- Mechanical technician for computer construction
- Technician for robotics
- Mechanical technician for repairs – pilot
- Mechanical technician for motor vehicles
- Electrical Engineering
- Technician for Mechatronics - pilot
- Traffic
- Motor vehicles driver
- Technician for road transport
- Technician for internal traffic
- Technician for traffic safety

# Our success

- 1889 - Exhibition in Paris
- 2006 - Nikola Tesla Gold Medal
- 2007 - I award in Paris for lesson contents
- 2008 - I award "Philosophy of Rene Descartes" Creative school
- 2013 - III award "Virtual Business World" Creative school

# Example of good practice

- Cooperation with FIAT
- Automobile training centre
  - This centre is equipped with innovative equipment for providing best-quality education of participants and top specialisation of industry workers.
  - Those who have helped us and joined us to develop together the centre where we will train students who are ready to work in the most modern plants, but also teachers who will be able to respond to the new economy trends.

# What have we got!

- Trained teachers who can follow modern trends in industry.
- Improved training system.
- Renewed teaching aids and received new ones.
- We know how to use different techniques and methods of work in order to motivate students to become more involved in their own development process.
- Linked theory and practice – thus providing our students with an opportunity for more rapid and better quality employment in modern business entities.
- We know how to lessen the gap between industry needs and occupations on our education provision.
- Awareness has been raised to give a continuous opportunity for upgrading the existing knowledge of our students and ourselves.
- We know that it is needed to provide equal opportunity (and dignity) to all when looking for a job.



**By the revival of the car industry we have proven ourselves as the school that managed to provide good workers who meet all the criteria at work in a modern enterprise.**

# Obstacles

- Enrollment plan does not follow the labour market needs.
- Poorer students' prior knowledge.
- Insufficiently-trained employees in educational institutions for development and implementation of projects by EU.

- During the implementation of this project the school extended the list of its partners

- National Instruments,
- Siemens,
- Unior,
- Biznis Innovation Centre
- Sector-based industry,
- MESSER,
- REAULT, .....

who see in it “a diamond mine” from which they can get the best quality and the most precious diamond – a good worker.

- In cooperation with the social partners our school finds employment to the best students immediately upon graduation.
- ...and other students ... have the opportunity to find employment

- Cooperation with others and schools in Slovenia, Macedonia, Croatia, Italy, Uzice, Subotica
- **... in order to exchange knowledge and improve quality of teaching, as well as support implementation of different projects.**

Our students are prepared for what is  
asked from them today:

- efficiency,
- expertise,
- adjustment,
- team work, ....

**We continue to move forward .....**

**Reviving centres for military industry and going back to the roots with the application of the most modern teaching aids and methods of work.**



# In cooperation with ...

- Technical Repair Institute (TRZ) from Kragujevac,
- Krusik from Valjevo,
- Technical Schools from Valjevo, Uzice and Cacak

we are developing a new educational profile Technician for ammunition and missile technology

for the needs of special purpose industries of this region.

# **Vision**

**We are always ready for changes in order to establish strong and stable relations between schools and companies as a basis for development and progress of industry in Serbia**