



### **INDUSTRY**

Technical and Vocational Education

### **PRODUCTS**

Training in electrical design and robotics, specializing in CAD-based technical drawing and design skills to prepare students for industry careers

#### **O** CHALLENGES

- · Need for CAD software that complements both theoretical and practical learning
- · Goal to prepare students with skills that align with industry standards
- Desire to foster student engagement through real-world applications

### **O** SOLUTION

**ZWCAD EDU** 

#### RESULTS

- Enabled students to handle complex design projects effectively
- · Provided a professional-grade learning environment with high compatibility
- · Boosted student confidence and inspired engagement in challenging projects

# A Historical Institution Embracing Modern Education

The Lubawa School Complex, located in the historic town of Lubawa, Poland, serves as an educational hub with a rich history that reflects the region's development. Lubawa, first mentioned in records dating back to 1216, has long been a center of culture, trade, and education. As the town grew, so did the need for comprehensive educational facilities to support the local population. The school complex, which today offers a wide range of educational programs, embodies Lubawa's commitment to accessible, high-quality education for its youth.



Instructor presenting a lesson, with students focused on the lecture

Since the 1950s, educational institutions across Poland underwent rapid development to meet the needs of rebuilding communities, and the Lubawa School Complex was no exception. Now a key part of Poland's modern educational system, the school complex provides students with foundational skills in areas like electrical and robotics technology, fields that are essential to today's advancing industries.

# Simplifying Technical Learning with ZWCAD EDU

In its commitment to providing students with relevant, professional skills, the Lubawa School Complex sought a reliable CAD solution to strengthen its electrical and robotics programs. After careful consideration, the school chose ZWCAD EDU, recognizing its user-friendly interface and robust functionality. The software offers a range of design capabilities that enable students to transition smoothly from foundational concepts to more complex design tasks. "Thanks to its intuitive use and wide range of functions, students have easily mastered the basics of design, which has allowed them to carry out complex projects in line with current industry standards," shared a representative from Lubawa School Complex.

For young learners, ZWCAD EDU's ease of use makes exploring advanced design features stress-free. By reducing technical barriers, the software allows students to fully focus on developing high-quality technical drawings that serve as a foundation for careers in electrical and robotics fields. This seamless learning experience supports the school's mission to prepare students with skills relevant to modern industry demands.

# Bridging Theoretical Knowledge and Practical Skills

One of ZWCAD EDU's standout advantages for the Lubawa School Complex is its compatibility with other CAD applications, facilitating the integration of theoretical concepts with hands-on learning. "The software facilitates the integration of theoretical knowledge with practical skills," the school representative noted, highlighting the importance of this feature in technical education. By working on professional-grade tools, students gain practical experience similar to that of real-world industry professionals, ensuring they are equipped to enter the workforce with competitive skills.



A student measuring physical components and creating designs using ZWCAD EDU

With ZWCAD EDU, students can confidently work within a professional design environment, enhancing both their technical and creative abilities. The program's compatibility and versatility also allow students to handle complex projects efficiently, helping them master the essential skills required in fields like electrical design and robotics.

# **Inspiring a Passion for Design and Innovation**

Since integrating ZWCAD EDU, the Lubawa School Complex has observed an increase in student engagement, with many students taking on ambitious projects that test their skills and creativity. "We are excited to see how the ZWCAD EDU software inspires our students to create challenging projects and take on the challenges of electrical design," the school representative shared. The ability to tackle complex projects with confidence has motivated

students to push their limits, fostering a deeper connection to their studies.



Two students testing their designed equipment

This positive change reflects ZWCAD EDU's role as a modern educational tool that not only supports skill development but also encourages students to embrace technical challenges. As students gain hands-on experience, they are better prepared to succeed in a competitive job market, equipped with industry-relevant skills and a portfolio of completed projects.

### A Step Towards Modernized Technical Education

For the Lubawa School Complex, ZWCAD EDU has proven to be an invaluable resource in elevating the quality of its technical education programs. By integrating this CAD software, the school has taken a significant step toward modernizing its approach to vocational training, aligning with Poland's broader goals for educational development. "The introduction of this software to our school has been a milestone towards modern vocational education," the school representative noted, recognizing the impact of ZWCAD EDU on students' professional competence.

For other educational institutions aiming to enhance their technical programs, the Lubawa School Complex highly recommends ZWCAD EDU. "It is a solution that significantly contributes to the professional competence of our students and supports them in their preparation for their future careers," the representative affirmed.

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- **◎** 32/F, Pearl River Tower, Guangzhou, China
- +86-20-38289780
- www.zwsoft.com