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ZWSOFT



CRRC Zhuzhou Institute Uses ZWCAD to Boost Business and Railway Transportation Technologies

 中车株洲电力机车研究所有限公司
CRRC ZHUZHOU INSTITUTE CO., LTD.

INDUSTRY

Railway Transportation

PRODUCTS

Rail vehicles, locomotive electrical systems, etc.

WEBSITE

www.crrcgc.cc/zzen

🔍 CHALLENGES

- Reuse highly customized legacy drawings accumulated over twenty-some years
- Solve issues of branch offices in different cities on the spot
- Ensure the software can be integrated with the IT system

🔧 SOLUTION

ZWCAD Mechanical

✅ RESULTS

- Switch smoothly by higher stability and the reuse of legacy drawings and customized templates
- Tackle technical issues efficiently with R&D-level service on-site
- Integrate ZWCAD Mechanical with the embedded web browser and IT system

Established in 1959, CRRC Zhuzhou Institute (China Railway Rolling Stock Corporation Zhuzhou Institute Co., Ltd.) has witnessed the remarkably rapid development of railway electrification in China and become a technology- and innovation-oriented leader in the rail transport equipment industry worldwide.

In recent years, CRRC Zhuzhou Institute has been implementing informatization centering business. As a crucial part of informatization, the selection and application of engineering software like 2/3D CAD, CAE, PLM, etc., should also follow the business-first route.

The Switch Must be Fast and Smooth for All Branches

To better support business growth, CRRC Zhuzhou Institute must begin informatization by unifying the widely and intensely used CAD software throughout all branches.

According to the design departments, to ensure a smooth switch under such a highly intense workload, they need to be able to keep their design habits. Also, they have heaps of archived product drawings for viewing, editing,

and sharing, as well as many template frames, title blocks, BOMs, etc. created with the previous CAD tool that meet corporate standards.

Meanwhile, the IT departments demanded that they can deploy the new 2D CAD program without changing the existing hardware and internet settings. Besides, they needed to fully inherit the previous management process to reuse the design data of over 2 decades.

In addition, CRRC Zhuzhou Institute is a confidential organization whose internet is managed tightly, so the key CAD issues must be resolved on-site. Another complicated situation was that the switch across different branches required higher stability of basic functions and a higher level of customization.



Firmly and Fully Apply ZWCAD Based on Trust and Collaboration

In response to them, ZWSOFT quickly formed a team of key R&D and technical engineers to facilitate this 2D CAD software switch project. Joined by local colleagues, the ZWSOFT project team spared no effort to visit various branch offices and solve issues.

After more than a year of on-site services, ZWSOFT gradually fulfilled the goals such as stable operations on the virtual desktop; practical functions; viewing and editing legacy drawings; saving modified historical data; compatible with the embedded web browser and integrated with the IT system; customizable drawing templates that meet company standards. The CAD features developed not only fully satisfy their business needs, but also fit in with their design environment.



At present, ZWCAD Mechanical has been applied all over CRRC Zhuzhou Institute. The director stated, "Deploying ZWCAD Mechanical is a must for growing business and lowering costs. We think highly of the timely response and problem-solving ability of ZWSOFT." Designers appreciated, "ZWCAD Mechanical is very powerful and easy to use, saving us the time of adapting and training. Our schedule is quite tight and missing deadlines would affect our work and assessment results. So, we really like the fact that this software can help us work as we used to do and even more productively with its constant upgrades and updates."

“ We switched to the powerful ZWCAD Mechanical smoothly without additional adjustments or training. ZWCAD Mechanical ensures that we work like we used to and even improves our efficiency to help us stay ahead of the deadlines. ”

— Engineer at CRRC Zhuzhou Institute

Core Technologies Guarantee Long-Term Development

With its core technological “hard power” and service “soft power”, ZWSOFT proved that it can cover the large-scale, complex, and in-depth customer needs.

Regarding this successful cooperation, the director at CRRC Zhuzhou Institute concluded, “As a customer and a strategic partner, we are happy to see that ZWSOFT has been developing and innovating its core CAD technologies for over 20 years. We hope that ZWCAD will be famous worldwide like our products. Now, seeing that the switch to ZWCAD Mechanical is a success, we will launch a second-phase project of customization to further improve efficiency, and also adopt ZW3D.”



ZWSOFT

ZWSOFT is a reliable and innovative provider of engineering software with flagship products ZWCAD and ZW3D. With over 20 years of experience in the industry, our products and services have been proven by 900,000+ AEC and MFG customers in 90 countries and regions.

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