

Redes3D Enhances Renewable Energy Engineering with ZWCAD for Greater Precision and Efficiency



INDUSTRY

Renewable Energy, Civil & Industrial Engineering

PRODUCTS

Engineering, assistance, and consultancy services, specializing in renewable energy projects

WEBSITE

<https://redes3d.com/en/>

❓ CHALLENGES

- Need for clear, structured, and efficient engineering designs to meet growing project demands
- High client expectations for precision and accuracy in renewable energy projects
- Existing CAD software lacked the performance needed to handle complex project requirements

💡 SOLUTION

ZWCAD

✅ RESULTS

- Improved project efficiency, design clarity, and precision to meet client expectations
- Enhanced productivity while ensuring high accuracy in complex projects
- Significantly reduced CAD software costs while maintaining high quality and performance

Asistencia Integral Redes 3 Dimensiones S.L. (Redes3D) is an engineering consultancy based in Spain, specializing in civil and industrial engineering with a particular focus on renewable energy. The company provides essential services, from engineering design to consulting, aimed at delivering sustainable and innovative solutions for clients in the renewable energy sector.



Redes3D: Committed to Advancing Sustainable Energy Solutions

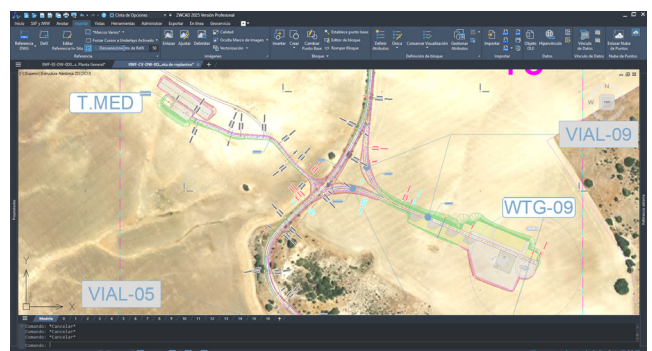
“Our mission is to provide high-quality engineering services, with a special focus on renewable energy,” says Manuel Ortiz, Engineering Coordinator at Redes3D. “We aim to offer solutions that help drive the transition to more sustainable energy sources while ensuring the highest standards of precision and efficiency.”

Turning to ZWCAD for Precision and Efficiency in the Face of Growing Project Demands

Redes3D’s projects are centered around renewable energy infrastructure, where attention to detail and accuracy are crucial to ensuring systems work efficiently and sustainably. These projects demand a high level of precision in design, which is why the team at Redes3D has always relied on advanced CAD software.

“For our projects, it is essential to have everything well-structured and clear. We need to be as efficient as possible,” says Manuel Ortiz. “Clients demand the highest precision, and without good-performing CAD software, this is impossible to achieve.”

Given the increasing complexity of their projects, it became clear that the existing software was not sufficient to meet both the financial budget, precision, and workflow needs.



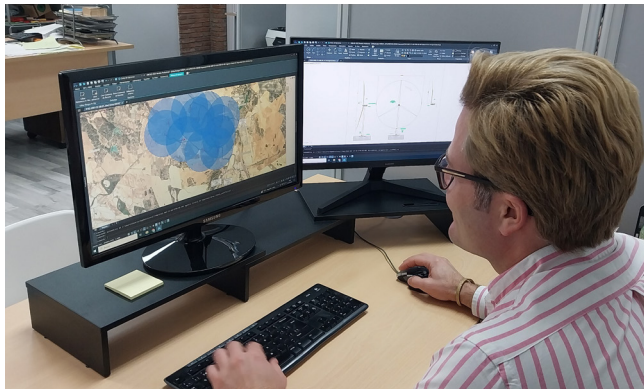
ZWCAD Powering Precision in Redes3D's Engineering Designs

Redes3D decided to switch to ZWCAD after

evaluating several options. ZWCAD offered a competitive price point while providing all the essential features they needed for their engineering projects. “ZWCAD is a very competitive alternative compared to other CAD software,” says Manuel Ortiz. “It’s equivalent to AutoCAD in all its functions, and we didn’t encounter any issues when switching from one program to another.”

ZWCAD: The Reliable CAD Solution for All of Redes3D’s Engineering Needs

At Redes3D, ZWCAD is primarily utilized by the drafting team and the technical team, who rely on the software for the design and planning of renewable energy projects. The software’s versatile tools, user-friendly interface, and excellent compatibility with specific domain plug-ins have integrated smoothly into their daily workflow, allowing for more efficient and precise execution of projects.



Redes3D Engineers Utilizing ZWCAD for Daily Design Tasks

“We use all the basic features and tools from ZWCAD, and they more than meet our needs,” says Manuel Ortiz. “In addition, ZWCAD has great ecosystem compatibility, supporting various plug-ins that we use, such as those for land registry management and other specific tasks in our workflow. This integration has been a significant advantage.”

The team also takes full advantage of ZWCAD’s flexiblock feature, which has proven to be a key tool

for improving design efficiency. “We use flexiblock quite a lot. The ability to edit flexiblocks is especially useful for us. It allows us to make adjustments quickly, which speeds up our design process and ensures that our projects are always accurate and up to date.”

ZWCAD has become an integral part of their workflow, allowing the team to streamline tasks and complete complex designs with greater efficiency. “We specialize in wind energy engineering, and we’ve used ZWCAD for every project we’ve worked on. It has been always our go-to CAD software for wind farm designs.”

Boosting Productivity with ZWCAD Integration

Since adopting ZWCAD over five years ago, Redes3D has experienced significant improvements in productivity and overall efficiency. “ZWCAD has helped improve our productivity,” says Manuel Ortiz. “It’s much smoother than AutoCAD, and that’s very noticeable. Especially when working with large amounts of data and external references, the software needs to be fast and efficient, and ZWCAD is very much appreciated in that sense.”

ZWCAD is a reliable and effective CAD solution for Redes3D, helping the company meet the rigorous demands of the renewable energy sector. Its competitive pricing, powerful features, and seamless integration into their workflows have made ZWCAD a trusted partner in delivering high-quality engineering solutions.

Redes3D’s success with ZWCAD demonstrates its value as a comprehensive CAD solution that meets the needs of companies in highly specialized fields like renewable energy. “With ZWCAD, we’ve found a reliable and affordable CAD solution that supports our engineering needs. It’s a tool we can count on for all our projects, and it has certainly helped us maintain our high standards of quality and efficiency,” concludes Manuel Ortiz.

ZWSOFT

ZWSOFT has been delivering reliable all-in-one CAX solutions since 1998. With over 20 years of experience, our products have been chosen and trusted by over 1.4 million customers in more than 90 countries worldwide.

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