SHAR Designs a Blueprint for Innovation in Saudi Arabia Construction with ZWCAD

INDUSTRY
Industrial & Civil Construction

SERVICE
Comprehensive civil, electrical, structural, mechanical, architectural, and interior design services from planning to construction

WEBSITE
https://www.seitop.eu

❓ CHALLENGES

· High costs and subscription-model license agreements with previous CAD software
· Need for compatibility across multiple disciplines for comprehensive contracting services
· Demand for increased efficiency with a user-friendly and familiar interface

⚙ SOLUTION

ZWCAD

✅ RESULTS

· Significant cost savings with flexible licensing policy of ZWCAD
· Enhanced productivity and efficiency due to ZWCAD's speed and user-friendly interface
· Seamless collaboration and data integrity across multiple disciplines ensured by ZWCAD's compatibility

Building the Future Today: SHAR Leads in Shaping Saudi Arabia's Built Landscape

SHAR is a leading force in Saudi Arabia's construction industry. Specializing in civil, electrical, structural, mechanical, architectural, and interior design, SHAR offers services from planning to construction across diverse sectors including residential and commercial buildings, roads and bridges, sanitation, utilities, and sports facilities. With a vision to "Build a Nation Through Innovation", SHAR is dedicated to fostering creativity, professionalism, and environmental responsibility.

SHAR's ongoing project: a residential, service, and administrative complex in TROJENA

However, SHAR faced significant challenges with their previous CAD software, including high costs and inflexible license agreements. This made it clear that they needed something new. As Chacko Joseph, CIO of SHAR shares, "We always ensure to provide our CAD users with the best possible software solutions, considering cost and risk factors as key decision-making criteria". With this purpose, he started looking for a CAD solution that didn't compromise on performance or affordability.

Discovering the Right CAD Choice: ZWCAD Through Orbit Middle East

SHAR's search led them to ZWCAD, introduced by Orbit Middle East, the ZWSOFT distributor in Saudi Arabia, who offered a solution tailored to SHAR. The advisory services and hands-on assistance from Orbit Middle East were crucial in helping SHAR recognize the benefits of ZWCAD and successfully implement it into their projects.

As Wissam Harb, COO of Orbit Middle East, emphasizes, "SHAR Group successfully leveraged ZWCAD to enable engineering users to utilize drafting features efficiently, resulting in significant cost savings. Their success in Saudi Arabia's market showcases ZWCAD as a valuable and affordable CAD solution for construction projects".

SHAR Embraces ZWCAD for Enhanced Efficiency after Smooth Transition

Since SHAR is a comprehensive contracting service provider, covering projects from design to fabrication

to building, their lifecycle involves engineers from multiple disciplines to perform professional design, skillful draftsmen to undertake heavy engineering drafting works, managers from different parties to review and comment on the drawings, and site engineers to view the drawings and instruct the building process.

Faced with such tangled collaboration, the friendly and familiar user interface eases the transition from previous CAD products to ZWCAD, and the impeccable DWG compatibility of ZWCAD guarantees no data loss during drawing communication and delivery, ensuring a smooth transition from concept to completion. ZWCAD has brought great improvements to SHAR's workflow, as Chacko Joseph remarks, "Its speed is remarkable." The design department values ZWCAD's ability to handle large drawings efficiently. "The engineers can open, edit, and save large-scale plans quickly," he observes.

The "Smart" Features Bring Remarkable Productivity to SHAR's Entire Team

ZWCAD has truly changed how our structural engineers approach their work," notes Chacko Joseph. The Flexiblock supports to create dynamic parameters and actions for graphics, engineers can swiftly manipulate adaptable blocks to represent different components and build up their internal structural component library for easy reuse, which saves time and reduces errors. The Smart Plot feature intelligently recognizes the title frames within the drawing area, which enables engineers to print batches of updated drawings quickly, without having to open and configure each one individually.

SHAR's teams also benefit from integrating features specifically tailored to streamline the design and drafting process. Chacko Joseph highlights, "The Smart Mouse speeds up the design process by simplifying command execution with mouse gestures." Additionally, the Smart Select feature enhances workflow efficiency by quickly selecting multiple objects in a complex drawing using the filter.

ZWCAD Drives SHAR's Innovation in NEOM's Gulf of Aqaba Region Development

"ZWCAD boosts our productivity, allowing us to meet the complex demands of modern construction projects efficiently and within budget", Chacko Joseph shares. Such benefit has been clearly demonstrated in the NEOM's Gulf of Aqaba Region Project, where ZWCAD's application has been instrumental in achieving project goals.

GULF OF AQABA project, NEOM

NEOM is a futuristic $500 billion mega-city project, representing a new model for sustainable living and economic diversification in northwestern Saudi Arabia. The Gulf of Aqaba Region in NEOM is being shaped by SHAR's expertise in the design and construction of a comprehensive residential, service, and administrative complex.

> "
> ZWCAD has been a key factor in the successful management of the project.
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> ——Chacko Joseph, CIO of SAHR

SHAR has notably elevated its capabilities in executing the projects with ZWCAD, which has become integral to SHAR's diverse project portfolio, ensuring the delivery of high-standard services across all their work.