

Diriyah Gate Development Authority Drives Design Excellence with ZWCAD



SUB-INDUSTRY

Government & Municipal

SERVICE

Urban planning, heritage preservation, infrastructure development, and cultural restoration services for Diriyah's transformation

WEBSITE

www.dgda.gov.sa/en

❓ CHALLENGES

- High costs and limitations with previous CAD software
- The need for a flexible, accurate, and efficient CAD solution
- Managing complex design reviews and maintaining cultural heritage during development

💡 SOLUTION

ZWCAD

✅ RESULTS

- Significant time savings and enhanced accuracy in design reviews
- Seamless collaboration through the Xref feature
- Financial predictability with ZWCAD's perpetual license model
- Strong local technical support ensuring smooth operations

The Diriyah Gate Development Authority (DGDA) is the driving force behind the transformation of Diriyah, a historic town northwest of Riyadh and home to the UNESCO World Heritage Site At-Turaif. With a development budget of SAR 64 billion, the aim is to position Diriyah as Saudi Arabia's cultural heart, showcasing the Kingdom's 300-year history through a mix of heritage, hospitality, retail, and educational experiences.



However, achieving this ambitious goal comes with unique challenges—balancing modern infrastructure

with heritage preservation, managing complex design workflows, and maintaining project efficiency.

In 2012, DGDA's Application Center Department switched from AutoCAD to ZWCAD after seeing a demonstration by Orbit Middle East, a ZWSOFT partner in Saudi Arabia. The decision was driven by ZWCAD's robust functionality, ease of use, and cost-efficiency.

ZWCAD Streamlines Design Processes and Enhances Collaboration

Today, ZWCAD plays a pivotal role in DGDA's design processes, handling tasks such as topography, survey overlays, and construction drawing reviews. Its powerful tools, such as the Xref feature for referencing external files, have significantly enhanced collaboration and efficiency within the organization.

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ZWCAD has been instrumental in reviewing and editing design and construction drawings. Its accuracy and ability to quickly identify the correct coordinates have saved us valuable time and enhanced the design review process.

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— Dalia Aboonog, Infrastructure
Assistant Manager at DGDA

For Ilianna Kliani, responsible for Master Planning at DGDA, the Xref function stands out as a crucial feature in their design process, enhancing efficiency in referencing external files and promoting seamless collaboration.

Dalia points out, "With many permit requests coming in daily, ZWCAD streamlines our processes, making them more efficient and accurate. It significantly facilitates the progress of our design projects."

Timely Local Support Enhances Operational Efficiency

Another factor in DGDA's choice of ZWCAD was the availability of local technical support, ensuring quick resolutions to any issues and fostering a collaborative relationship. The support from Orbit Middle East allows DGDA to focus on project development without worrying about software interruptions.

Perpetual, Flexible License Enables Efficient Resource Allocation

ZWCAD's perpetual license model was also a major draw for DGDA, as it eliminates ongoing subscription fees. This one-time investment provides DGDA with long-term access to ZWCAD's advanced CAD tools, enabling better resource allocation towards other critical project needs.

ZWCAD Contributes to Robust Data Security

As a governmental authority, data security is paramount for DGDA. ZWCAD aligns with DGDA's stringent security protocols, ensuring the safety of sensitive design and project information. This has been critical in safeguarding the confidential plans involved in the development of Diriyah.

ZWSOFT as A Crucial Partner in DGDA's Urban Vision

In DGDA's pursuit of its monumental vision, ZWSOFT has emerged as a crucial partner, ensuring the precision and efficiency needed for intricate design processes.

The collaborative efforts facilitated by ZWCAD not only streamline workflows but also significantly contribute to the overall progress of Diriyah Gate Development Authority's urban vision, proving ZWCAD's capabilities in supporting projects of national importance.

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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