



## CH. Karnchang Adopts ZWCAD to Achieve More Sustainable and Efficient Public Project Implementations



**INDUSTRY**

Urban Public Services

**SERVICES**

Construction of buildings and execution of general civil works, primarily serving government agencies as key clients

**WEBSITE**

<https://www.ch-karnchang.co.th>

## 🔍 CHALLENGES

- Experiencing financial strain due to previous CAD software's high licensing costs
- Needing a CAD system with an intuitive and familiar interface to avoid extensive retraining
- Requiring a CAD solution accessible throughout the company for seamless workflow

## 🔧 SOLUTION

ZWCAD

## ✅ RESULTS

- Achieved substantial cost savings by adopting ZWCAD's flexible licensing policy
- Enhanced productivity through ZWCAD's seamless compatibility and user-friendly design
- Boosted teamwork with ZWCAD's Smart Voice feature and mobile accessibility

## Leading the Way in Infrastructure Development in Thailand

Founded in 1972, CH. Karnchang Public Company Limited, also known as "CK," is one of the top 5 companies in the AEC industry in Thailand and has been a cornerstone in the country's development of high-quality public infrastructure.

Covering Mass Rapid Transit System, Airport, Road and Expressway, Energy, Water Supply and Harbor, and Building, the company has been increasingly recognized and trusted by leading organizations, with the ability to manage sophisticated megaprojects at the regional levels where all advanced construction and engineering technologies are needed.



CH. Karnchang played a key role in constructing the MRT system in Bangkok

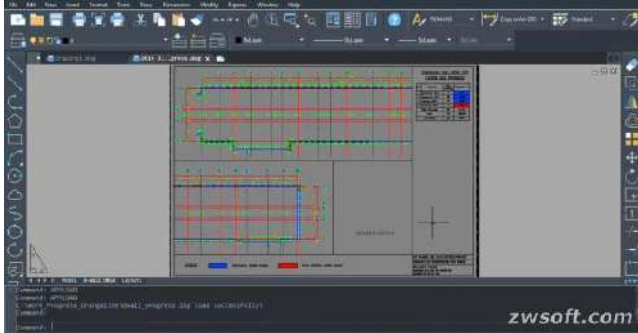
In line with their expansive vision and the need for robust infrastructure solutions, CH. Karnchang sought CAD software that could match their rigorous standards for quality and efficiency. This search led them to ZWCAD, a decision grounded in strategic benefits crucial for their large-scale projects.

## Key Decisions Behind Choosing ZWCAD

There are several pivotal reasons why CH. Karnchang selected ZWCAD as their CAD solution. Each factor plays a crucial role in their complex project execution and underscores their commitment to operational excellence and innovation.

**Financial Affordability and flexible licensing policy are at the core of CH. Karnchang's choice for ZWCAD.** "The price is reasonable, which is an important factor we are concerned about since we have many projects and a great number of licenses are needed," explains Adthapol Nillaor, Project Relation Manager of CH. Karnchang. This cost-effectiveness of ZWCAD allows the company to extensively deploy ZWCAD without compromising their budgetary constraints, supporting their extensive infrastructure projects strategically.

Anusorn Semathong, Chief System Administrator of CH. Karnchang, has experienced significant efficiency gains with ZWCAD. He shares, "My daily work involves opening and editing a large number of drawings in ZWCAD, as well as developing add-ons using ZWCAD's APIs. ZWCAD's ability to effortlessly handle large drawings is truly impressive."



CH. Karnchang's add-on was running well in ZWCAD

**Innovative features such as Smart Voice enhance team collaboration significantly.** "I like using Smart Voice," says Adthapol, "I can leave vocal annotations or notes in the drawings by the Smart Voice command, which is beneficial for better teamwork and design collaboration." This feature streamlines communication within project teams, reducing misunderstandings and improving the accuracy of collaborative design efforts.

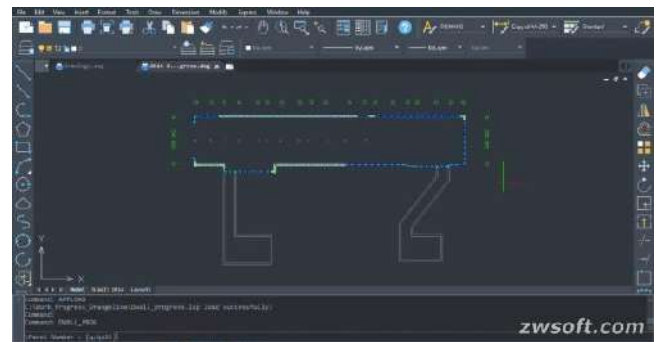
**Last but not least, responsive technical support and mobile accessibility further solidify CH. Karnchang's decision to choose ZWCAD as a long-term CAD solution.** Anusorn appreciates the support, saying, "Every time when we have technical issues, we contact your local distributor Xian Jin, and they respond quickly. They help communicate with the support team at ZWSOFT headquarters to solve our problems." Additionally, Anusorn highlights the utility of CAD Mobile, "It's very beneficial for multi-platform teamwork. I can open, edit, and annotate drawings on .dwg files anywhere and anytime, which significantly enhances our flexibility."

## Driving Commitment to Public Interest with ZWCAD

With public interest at the core of their corporate vision, CH. Karnchang selects and implements beneficial projects by anticipating future needs. "Everything we do for our business must always be in the best interest of the country and society," they state, underscoring their commitment to sustainable development.

To reinforce this commitment, CH. Karnchang has strategically embraced ZWCAD to advance its vast array of public infrastructure projects for years, enhancing societal well-being through sustainable infrastructure development.

ZWCAD has been extensively utilized, notably in three major MRT projects that have significantly impacted Thai society. Adthapol highlights the transformative impact of these projects: "Trains appear in Thailand for no more than 20 years, and traffic jams are always a big pain point in Bangkok. Now with the MRT, people can travel in an easier, faster, and more convenient way."



ZWCAD is used to design the Station Box of the MRT Orange Line

Building on this foundation, he mentioned the specific applications of ZWCAD in these projects, "We began to use ZWCAD in an extension project of the BTS Blue Line, which began in 2011. It is 2.6 kilometers long and has 2 stations. And then we used it on the BTS Orange and Purple Line."

## Advancing Social Benefits Through A Sustainable Partnership

CH. Karnchang's partnership with ZWCAD has enhanced their capability to efficiently manage and execute large-scale infrastructure projects.

“ Observing ZWSOFT's consistent advancements gives us confidence in our choice. ZWCAD's features are competitive, and we are eager to see what future updates will bring to further support our projects. ”

— Anusorn Semathong, Chief System Administrator



Adthapol Nillaor and Anusorn Semathong from CH. Karnchang

As CH. Karnchang continues to lead Thailand's infrastructure development, ZWCAD remains an indispensable partner, providing advanced solutions for current and future challenges. This collaboration underscores a shared commitment to sustainable infrastructure improvement in Thailand. It demonstrates that the right technological solutions can significantly influence industry leaders and drive national development.

## 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.

📍 32/F, Pearl River Tower, Guangzhou, China  
☎ +86-20-38289780  
✉ sales@zwssoft.com  
🌐 www.zwssoft.com