



Committed to

Professional Consulting & Optimized Solution



Metric
Consulting Engineers & Architects



METRIC

– Proud to be Trusted
by Leading Companies

... and Recognized in a Wide
Spectrum of Industries

MANUFACTURING

Steel Mill
Auto Tyre
Aircraft Tyre
Tyre Reinforcement Wire
Pulp, Kraft & Paper Production
Building Material Manufacturing

FOOD

Airline Catering
Health Supplement
Beverage
Brewery
Bakery

AUTOMOTIVE

Automotive Assembly
Wheel Manufacturing
Tyre Testing
Driving Test Track Operator

METALLURGY

Metal Refining
Metal Roasting
Electrometallurgy

AVIATION

Aircraft Maintenance Hangar
Aircraft Engine Testing
Aircraft Engine Maintenance
Aircraft Part Production

INFRASTRUCTURE

Jetty
Tunnel
Industrial Estate
Underground Parking
Mining Yard Crane Foundation

OTHERS

Distribution Center Warehouse
Clubhouse and Sport Facility
Mixed Use Complex
Shopping Spaces
Museum
Residential Building
Office
Hotel

Our Strengths and Experience

METRIC Consulting Engineers & Architects Co., Ltd., a subsidiary company of METRIC Co., Ltd., is one of Thailand leading consulting firms. We are among the few Thai companies that can provide one-stop service to clients. Our capabilities extend from design to project management in engineering and architecture, and include consultancy and services for construction projects of all kinds.

Our forty years of providing professional consulting and services combined with dedicated and capable staff enable Metric to take on projects of all types and sizes, from medium-range undertakings to the largest and most complex. We are committed to providing the best practical solutions to our clients, and our record of customer satisfaction is a measure of our success.



Our Areas of Expertise

Our extensive, long-term experience enables METRIC to offer a comprehensive range of services and capabilities, including:

Management

- ▲ Comprehensive Development Planning
- ▲ Master Layout and Infrastructure Planning
- ▲ Project Cost Estimate, Follow-up and Control
- ▲ Project Time Schedule Planning, Follow-up and Control
- ▲ Construction Procurement Strategy
- ▲ Construction Supervision and Management

Study and Design

- ▲ Feasibility Study
- ▲ Comparative Study
- ▲ Special Problem Analysis and Study
- ▲ Architecture Design
- ▲ Structural Engineering
- ▲ Civil Engineering
- ▲ Soil and Foundation Engineering
- ▲ Mechanical Engineering
- ▲ Electrical Engineering

METRIC's philosophy

"Get it right from step one"

Quality

We firmly believe that, in global performance control, the preliminary steps are the most important phase of every project even if, in financial terms, they may only represent a small part of a project's total cost.

Thorough design and procurement are a necessary condition to optimized technical and financial solutions and project performance.

"At METRIC, we strive to deliver only the best quality work under efficient time and cost control with safety in mind."

Safety

Time
& Cost

Our Competitive Advantages

Optimized project cost with true comparative study



- ▲ Clients are informed why specified material/system/design have been selected.
- ▲ Major materials/systems that have a significant cost impact are optimized since the preliminary steps of the project.

Service-minded professionalism

- ▲ No project is considered complete until the client is completely satisfied.
- ▲ Technical issues are communicated to clients in clear and precise terms.



A closely coordinated collaborative approach



- ▲ Close coordination is maintained between client and any related parties spanning all relevant disciplines.
- ▲ Collaboration involves not only in design, but also constructability and optimization

Same key staff from start to completion

- ▲ The same project key staff are maintained from the client's brief to project delivery to eliminate information transfer loss and to keep control of the project schedule.



Truly integrated design



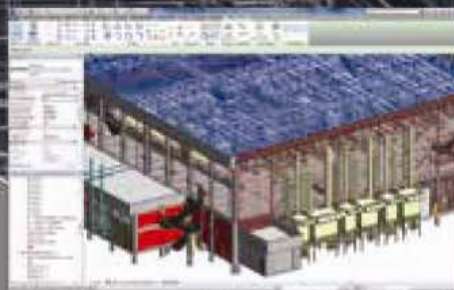
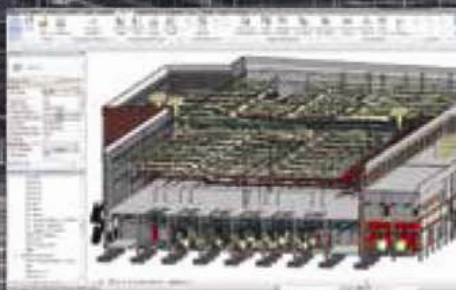
- ▲ Project designs are conceived with clear and sound solutions resulting from thorough and comprehensive integration of every aspect of design by all participating designers and planners. This cooperative approach minimizes added expense and lost time caused by last-minute inconsistencies and conflict.



BIM

BIM - Building Information Modeling is an advanced and very powerful tool for collaboration, decision making, problem checking and solution finding among different professionals, as well as clients, involved in the same projects, especially the immense or complex ones.

At METRIC, it has been proven that BIM helps satisfying our clients as it enables them to virtually review and do “crash checking” in an easier, interactive way that requires significantly less time and effort.



How We Help Our Clients to Meet Their Objectives



What our clients want to achieve

What we do to help our clients meet their objectives

Optimized project cost

- ▲ Reach an in-deep understanding of clients' requirements.
- ▲ Perform a precise calculation of every item.
- ▲ Incorporate no unnecessary safety factors.
- ▲ Use proven & effective solutions adapted to local conditions.
- ▲ Propose the procurement strategy best suited to the project (number of packages, contractors' capability, size, availability, etc.).
- ▲ Include detail design into tender documents to eliminate the need for safety factors at the contractor's price.

Optimized operating cost

- ▲ Precisely calculate the life cycle cost evaluation (not only capital).
- ▲ Apply knowledge of practical and proven energy efficient solutions.

Optimized project schedule

- ▲ Conduct a comprehensive study of constraints and detail planning.
- ▲ Fast track approach can be adopted by overlapping design and preliminary construction steps.

**Keep control over the
entire project**

- ▲ Provide the owner with the precise data needed to make decisions at every step of the project.
- ▲ Provide an easy-to-understand presentation for owner's review to get agreement/comments before moving to the next step.
- ▲ Provide summarized and precise progress reporting.
- ▲ Provide choices with associated impacts on performance, cost & time for the owner's decision.



 PAUL WURTH

 MICHELIN

INGECOBA

MECHIM

 PAUL WURTH

HAYES LEMMERZ

 PAUL WURTH

 PAUL WURTH

HITACHI

 PAUL WURTH

HONGSA
POWER



CDM International Inc.

Proud to Have Earned 40 Years of Client Confidence

At METRIC, we believe in sustainable achievement and long-term client relationships. That's why we are proud to have earned the trust of leading organizations, both international and Thai companies, throughout our 40 years.

Shown along Metric's timeline are our 160 significant projects:

SOME OF OUR LONG-TERM REPEATED CLIENTS

25 YEARS+



20 YEARS+



15 YEARS+



CENTRAL Group

10 YEARS+



Cerebos



5 YEARS+



 PAUL WURTH



posco
THAINOX


Metric
Consulting Engineers & Architects

Metric Consulting Engineers and Architects Co., Ltd.

3 Soi Premier1 Branch 14, Srinakarin Road, Nongbon, Prawet, Bangkok 10250 THAILAND

Tel.: +662 361 7744 / Fax.: +662 361 7725 Email: metric@metric.co.th www.metric.co.th

