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ABOUT EXACO – MARINE / OFFSHORE IT SOLUTIONS

EXACO SINGAPORE is a Singapore based Marine / Offshore developer and provider of IT solution and Network System for Quality Control / Inspection Services in process plant engineering and offshore conversion services.

The exploitation of IT as an enabler for business improvement is high on the agenda of many companies. EXACO SINGAPORE offers both the tools and consulting services to enable its clients to maximise the efficiency of their engineering IT operations. Providing effective implementation, integration and ongoing global support for these engineering IT operations is the foundation for EXACO SINGAPORE's long term success.

EXACO SINGAPORE customers have consistently achieved savings of 20 per cent in the design time and 15 per cent of the total project cost compared to their previous engineering IT systems. More significantly, because our solutions provide the fastest route from initial concept to operating plant, the time to market for new products is accelerated.

The earlier generation of revenue from the plant can be worth many millions of dollars to the operator.

An Established Market Leader

With more than 100 customers in Singapore and South East Asia countries using our visualization for Project Management, EXACO SINGAPORE is an established and recognised leader in its market, enjoying strong and enduring relationships with its customers.

EXACO SINGAPORE is set apart from the competition with its core philosophies of active innovation, development and evolution of its products, proven open technology, unrivalled support and service, and an established track record in bringing exciting and beneficial new technologies to market.

Serving the Marine / Offshore Process and Power Industries

Industries currently served by EXACO SINGAPORE solutions include shipyards, offshore vessel owners, oil and gas, chemicals, generation of electricity ship outfitting.

Solutions for Total Project Execution and Operations

EXACO SINGAPORE's range of engineering IT solutions and services covers all aspects of project execution and operations. From project conception through detail design, fabrication and erection, commissioning and hand-over to plant operations and maintenance. An integrated range of industry-leading project and data management, design, visualisation, browsing and communication tools provide an unrivalled engineering IT environment.

With a proven track record of success on some of the world's most demanding process plant engineering projects, EXACO SINGAPORE's solutions is setting an IT industry standard.

******* COMMITTED TO QUALITY PROJECT MANAGEMENT VIA IT *******

A Complete Engineering IT Solution

The pace of change in the process industries is currently faster than ever before. Owner/operators and engineering and construction companies are constantly examining their businesses for opportunities to reduce costs, increase flexibility and establish new sources of competitive advantage in a dynamic business environment.

With our proven track record, unrivalled plant design industry experience and best of breed solutions, we can offer our customers partnerships covering complete IT support for plant engineering and operations.

Elements of a partnership with EXACO SINGAPORE can embrace work in any or all of the following areas:

- Setup of Network System at the field or site office
- Design and CAD drafting facility at the field / site office
- Developing Project Execution plans
- Customizing Database for Operation and Maintenance Programs
- Implementing Change Order Database (Site Instructions) for shipowners – Network version
- Developing working practices for operating procedures consistent with technology
- Management of in-house solutions

The consulting group at EXACO SINGAPORE consists of:

- A team of engineering and IT professionals, project managers and consultants - the majority of whom have on-site experience at FPSO conversions at shipyards.
- Programmers who have successfully developed software solutions in a wide range of environments

By entrusting their wider engineering IT infrastructure to EXACO SINGAPORE, our clients are able to concentrate on their own core business - the design, engineering and operation of their process and power facilities.

EXACO SINGAPORE's Core Philosophies

At EXACO SINGAPORE we attribute a great deal of our continued success to our unrivalled knowledge and experience of the markets in which we operate, and our total commitment to our core philosophies.

Data for Life

At EXACO SINGAPORE we believe that reliable, consistent engineering data is the core of an effective engineering IT environment. EXACO SINGAPORE's solutions are database-driven to manage and control your data as it develops – from the earliest stages of conceptual design through to plant operations and maintenance.

As modern process plants are engineered for longer operating life spans, the transition of engineering data to operations and maintenance functions has become an increasingly important issue. Up-to-date as-built data is often required far beyond the initial design and engineering phases of the project. Access to a current and accurate electronic model of the plant assists with maintenance, operations, refit or retrofit work, operator training, safety or environmental inspections, and ultimately plant decommissioning.

Total Quality

EXACO SINGAPORE is dedicated to providing its clients with products and services of the very highest quality. For many of our clients, EXACO SINGAPORE systems are 'mission critical' and our dedicated quality management team constantly strives to ensure that the stability and reliability of our products is maintained to the very highest levels. Only by providing the best possible solutions can we expect our clients to achieve the best possible results.

EXACO SINGAPORE's quality systems currently conform to the Quality System Standard BS EN ISO 9002: 1994 and is awarded its ISO 9002 certificate by ABS Q Inc (American Bureau of Shipping QA Inc), an accredited certification body.

At the Forefront of Innovation

EXACO SINGAPORE has a well-established record in bringing exciting new technologies to market; technologies that have quickly proved beneficial in live project use. From the world's first fully interactive colour shaded 3D plant design system, to interactive photorealistic model walk-through and the pioneering use of group visualisation for Marine Structures and process plant design. EXACO SINGAPORE continues to lead the way, and constantly revolutionises the way the process industries work.

Plant Design and Viewing Solutions

EXACO SINGAPORE is widely acknowledged as offering the world's most successful plant design systems. Using EXACO SINGAPORE solutions, multi-disciplinary teams work concurrently to build a detailed digital model of the plant, each designer having a total view of what other designers are doing. In live project use, these systems have consistently enabled dramatic savings in cost and time compared with traditional CAD methods.

These savings can halve the design time and deduct 15 per cent of the total project cost - worth many millions of dollars on a large project.

EXACO SINGAPORE's plant design solutions have enabled its customers to streamline their internal processes and eliminate activities which did not add real value to their clients.

EXACO SINGAPORE is helping to reduce overall project schedules throughout the process industry. Owner/operators, design engineering, fabrication and construction companies are continuously proving the benefits of EXACO SINGAPORE's plant design solutions on live projects around the world.

Plant Viewing – REVIEW REALITY

EXACO SINGAPORE has a simple mission when it comes to viewing plant designs: to deliver a combination of easy access to key engineering data, and world-leading realism through interactive visualisation - all with the best possible performance.

EXACO SINGAPORE's plant viewing products have a wide range of applications, whether you are an owner/operator, engineering contractor, fabricator or construction company. The use of our solutions helps keep the project on track and minimises unnecessary costs throughout the life of the installation.

A successful project review depends upon realism. With its REVIEW Reality Marine structure / process plant model visualisation system, EXACO SINGAPORE offers true-to-life realism with full photographic texturing, anti-aliasing and real-time shadow casting - all delivered to the user in hardcopies and digital format.

The benefits of realism go much further than the design team: all levels of personnel can benefit from using the plant model for simulation and planning purposes. In recent years, safety has become increasingly important to process plant operators.

Using the interactive visualisation system, operations teams can, for example, precisely plan and simulate shut-down and emergency evacuation procedures in a totally realistic computer-generated model, where what you see is an exact portrayal of the real-life plant. Complex animation sequences can be produced and recorded, providing invaluable information to a wide range of project personnel.

Interactive plant model visualisation
Adds lifelike realism to project reviews
Visual communication link to data
Engineering data "behind" the image
Textures and anti-aliasing add realism
Software generated shadows

Generation of complex animations

Model file import from other systems
UNIX and Windows NT versions
Eliminates the need for plastic models
Easy assessment of design changes
Improved project communication
Powerful marketing tool
Effective support for decision making
Ease of use by non-engineering staff
Proven project time and cost savings