

Energy, Manufacturing and Construction

Charles Taylor
technical

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Technically Speaking

CHARLES TAYLOR TECHNICAL

KRRIS[®] News

Key Risk Rating Indicator System

Development of KRRIS has been proceeding apace with new features. The latest versions include on the front presentation sheet a display of ratings for every factor rather than averages of categories and tracking of ratings from survey to survey to display how a risk has changed since the last survey. For more information contact: Doug.Scott@ctcplc.com or click on:

www.krris.com

Remote pipe line



CTt has recently completed a construction survey of a new oil pipeline in West Africa being constructed in the heart of the forest in Gabon. Oil from onshore wells has a high wax content and therefore needs to be heated and kept hot on its 125km journey from well head to connect to an existing pipeline. The site is particularly remote with access only by barges through in an inland river and lake system or by helicopter.

For more information contact: Richard.Radevsky@ctcplc.com



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Risk Management for Middle Eastern Utilities



CTt has been undertaking an increasing number of risk management reviews for Utilities in Saudi Arabia, Bahrain, Qatar & Iran involving power production, power transmission and distribution, water production and construction of associated plants.

Utilities increasingly recognise the need for careful maintenance and management as existing assets age in an aggressive environment where high temperatures and sand storms can create difficult maintenance issues.

Demand for utilities continues to rise rapidly in the region's growing economy.



A key issue is the increasing pressure to replace existing expatriate workforces with local employees. Finding adequate numbers of skilled and experienced local staff poses a considerable challenge which has to be addressed as part of risk management activities. For more information contact: Doug.Scott@ctcplc.com or Jeff.Ashman@ctcplc.com

Refinery Extension



Commissioning procedures came under particular scrutiny during a recent survey of a refinery expansion project in North Africa being undertaken by a far eastern petrochemical contractor. Improvements were recommended in hot work and vessel entry procedures, as well as the definition of mechanical completion, pre-commissioning and commissioning responsibilities. Layout and format of procedures to make them more understandable to a multilingual workforce was also suggested.

Greater emphasis on safety and improved accessibility to emergency instructions was also suggested. With the construction industry in most countries streamlining the construction process wherever possible, there is a danger of safety aspects of certain procedures being overlooked.

For more information contact: Doug.Scott@ctcplc.com

Wind Turbines



With the number of wind turbines constantly growing claims involving turbines are inevitably increasing. New manufacturers are entering the market and new more efficient models are steadily appearing often replacing older models which are then sold or scrapped. Early models are beginning to reach the end of their life or are entering a second hand market which has been developing for some time. When a loss occurs, locating spares can be a complex matter. For insurers, the need to differentiate wear and tear from accidental damage is becoming increasingly significant. High demand for new turbines also means that factory capacity is committed raising questions about where large numbers of spares could be sourced if multiple turbines were to be damaged in a single event.

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Tunnels completed without a claim

Work on the new Canada Line transit system connecting Vancouver Airport with downtown Vancouver and Richmond is making excellent progress. Tunnelling has been completed without a claim.

The project is one of the first to have a requirement built into the Construction Policy that the project must comply with the Tunnelling Code.

The project has been the subject of regular risk engineering visits by CTt. It is currently on track for completion in time for the 2010 Winter Olympics. As heavy civil construction winds down, track and systems installation and testing activities are increasing. For more information contact:

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Microchip plant flood

During exceptionally heavy rainfall in UK a microchip plant's basement facility subsystems were flooded. Whilst the chip manufacturing areas remained almost entirely dry the sudden loss of power mid-production as a result of an emergency shutdown produced damage costing millions and halted production for several months.

Adjustment of the resulting property damage and business interruption claims involved detailed analysis of the costs of labour, tools and replacement of large numbers of components. The company's pre-loss production and sales data were carefully scrutinised to produce estimates of profit had no loss occurred. Input from an external semiconductor production expert and a forensic accountant proved vital in producing a satisfactory claims adjustment. For more information contact:

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The technical team within Charles Taylor provides risk focussed technical expertise. Services include engineering, surveying, technical loss adjusting, risk research and analysis. A worldwide capability is available drawing on the resources of the CTC Group. For more information contact:



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