



TOSL

NEWSLETTER

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COMPANY NEWS

TOSL attends Caribbean Renewable Energy Forum 2024 (CREF)

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From left, Regional Business Development Manager, Russell Boodoo with Manager - Quality, Health Safety, Environment & Sustainability, Danelle Dhaniram.

TOSL Engineering Limited once again attended the annual Caribbean Renewable Energy Forum (CREF) held in Miami, Florida, from April 24-26, 2024.

The forum provided an invaluable platform for TOSL to engage with industry leaders and forge strategic partnerships aimed at accelerating the adoption of clean energy. By participating in discussions on policy, innovation, and investment in renewable energy, TOSL Engineering emphasised its role in driving the sustainable development agenda in the Caribbean, reinforcing its position as a catalyst for positive change in the energy sector.

TOSL confirms its leadership in renewable energy solutions and commitment to a sustainable future by staying abreast of current industry technology and trends.

COMPANY NEWS

TOSL Engineering Limited at Suriname Energy Oil & Gas Summit 2024 (SEOGS)

TOSL Engineering Limited proudly participated in the Trinidad & Tobago Pavilion at the Suriname Energy Oil & Gas Summit and Exhibition (SEOGS) 2024. The event, which featured over 150 exhibitors and attracted more than 2,000 visitors from Suriname's burgeoning Oil & Gas sector, provided an excellent platform for TOSL to showcase its capabilities.

Representing TOSL at the summit were Managing Director, Mr. Ricardo Mahadeo, Regional Business Development Manager, Mr. Russell Boodoo, and Manager Engineering and Innovation, Mr. Raymond Karamath. Over the four-day event, they engaged with local customers, industry officials, international partners, and many inquisitive university students eager to learn about the industry.

The TOSL team gathered insights on upcoming developments across various sectors and explored new opportunities where their offerings could add significant value. Supported by their local partner in Suriname, through whom many of their services are delivered, TOSL sees great potential in this modest yet promising market. After four days of fruitful discussions and engagements, TOSL is optimistic about further investments in Suriname's future growth.



From Left, Manager, Engineering and Innovation - Raymond Karamath, Regional Business Development Manager Russell Boodoo, His Excellency Chandrikapersad Santokhi, President of Suriname and Managing Director, Ricardo Mahadeo.

COMPANY NEWS

TOSL attends Energy Chamber's Caribbean Sustainable Energy Conference 2024

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From left, Russell Boodoo, Manager - Regional Business Development, Ricardo Mahadeo - Managing Director, Danelle Dhaniram, Manager - Quality, Health, Safety, Environment & Sustainability, Dave Ramnarine - Team Lead Chemical, Process & Asset Integrity Solutions

The Caribbean Sustainable Energy Conference 2024, hosted at the Trinidad Hilton & Conference Centre, brought together influential voices from the energy sector committed to driving sustainable practices. Among the distinguished participants was TOSL Engineering Limited, renowned for its innovative approach and commitment to environmental responsibility within the industry.

Organized by the Energy Chamber, this year's conference was a crucial platform for discussing renewable energy, energy efficiency, and the future of sustainable energy solutions. TOSL contributed significantly, presenting their "**District Cooling System**" initiative led by Mr. Dave Ramnarine, emphasizing its benefits.

During the conference, TOSL engaged in collaborative sessions with industry peers, clients, and stakeholders, stressing the importance of technology and partnerships in achieving sustainable development. Their involvement highlighted their role in shaping a cleaner energy landscape.

As the conference concluded, TOSL reiterated their dedication to sustainability, emphasizing their ongoing efforts to innovate and implement solutions that promote energy efficiency and environmental stewardship.

COMPANY NEWS

TOSL Showcases ABB's Smart Sensor Technology to Valued Clients

On June 13th, 2024, TOSL Engineering Limited welcomed esteemed clients to its Marabella office for an exclusive event highlighting cutting-edge advancements in industrial technology, demonstration of ABB's revolutionary Smart Sensor technology and its impact on operational efficiency across various industries.

During the event, attendees gained firsthand insights into the tangible benefits of integrating ABB's Smart Sensor into their operations. By leveraging predictive maintenance capabilities, clients can schedule maintenance activities precisely when needed, avoiding costly unplanned shutdowns. This proactive approach not only extends the lifespan of critical assets but also enhances overall reliability and operational uptime.

The event served as a platform for interactive discussions and knowledge sharing among industry peers. Clients expressed enthusiasm about the potential of ABB's Smart Sensor technology to streamline their operations and improve asset performance. The ability to access detailed equipment insights remotely was particularly praised, highlighting the convenience and efficiency gains offered by this solution.

Looking ahead, TOSL Engineering Limited remains committed to driving innovation and delivering value to its clients through strategic partnerships with industry leaders like ABB.



From left, Bilaal Baksh, Kerron Dhoray, Ryun Singh, Renee Sirju, Ramon Rabathaly, Ricardo Mahadeo and Akeel Ali.

INDUSTRY INSIGHTS

The Dynamic Evolution of the Insulation and Refractory Industry

Central to numerous industrial applications, the insulation and refractory industry plays a crucial role in thermal management and resistance to extreme conditions. As industry demands and technologies evolve, so too do the innovations in this sector. This overview delves into the latest developments and trends shaping the future of insulation and refractory materials.

Technological Innovations: The field is experiencing notable advancements in material science. Aerogels and high-performance ceramics are at the forefront, offering superior insulation with reduced thickness. Nanotechnology is enhancing thermal resistance and minimizing material bulk, broadening applications in restricted spaces where traditional materials are inadequate. These innovations not only boost performance but also enable new uses in previously challenging environments.

Environmental Regulations and Sustainability: In response to growing environmental concerns and strict regulations, the industry is shifting towards more sustainable practices. Eco-friendly materials such as recycled glass wool and cellulose are gaining popularity. There's also a strong push for energy-efficient solutions to reduce energy loss in industrial processes

and building insulation. These green practices not only benefit the environment but also cut operational costs over time.

Market Growth and Demand Drivers: The demand for insulation materials is significantly driven by the construction and infrastructure sectors. Rapid urbanization in emerging economies is fueling residential and commercial construction, which in turn boosts the need for effective insulation solutions. Additionally, high-temperature industrial processes in steel, cement, and petrochemical industries are increasing the need for advanced refractory materials capable of withstanding extreme conditions.

Digital Transformation: Digital technology is transforming the insulation and refractory industry. Integrating IoT and sensor technologies into insulation systems allows for real-time monitoring, predictive maintenance, and enhanced efficiency. 3D printing is also revolutionizing the sector by enabling precise, customized refractory solutions that reduce material waste and production time. These digital innovations are improving product performance and delivering significant cost savings.

Regional Insights: The Asia-Pacific region is seeing substantial growth due to rapid industrialization and urbanization in countries like China and India. North America and Europe are focusing on updating existing infrastructure and adopting energy-efficient insulation solutions, ensuring steady market demand. Meanwhile, the Middle East and Africa are experiencing growth driven by large-scale construction projects and industrial expansion, especially in the oil and gas sector.

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INDUSTRY INSIGHTS

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Economic Factors: Effective cost management is crucial in the insulation and refractory industry. Companies are continuously seeking cost-effective solutions that offer long-term savings through improved energy efficiency and lower maintenance costs. However, fluctuations in raw material prices pose challenges, affecting production costs and pricing strategies.

Safety and Performance: Safety remains a critical concern, with increasing demand for high-temperature and fire-resistant insulation materials. These materials are essential for ensuring safety and operational efficiency across various applications, from residential buildings to industrial processes. The ongoing development of materials capable of withstanding higher temperatures and harsh conditions is a key focus of industry innovation.

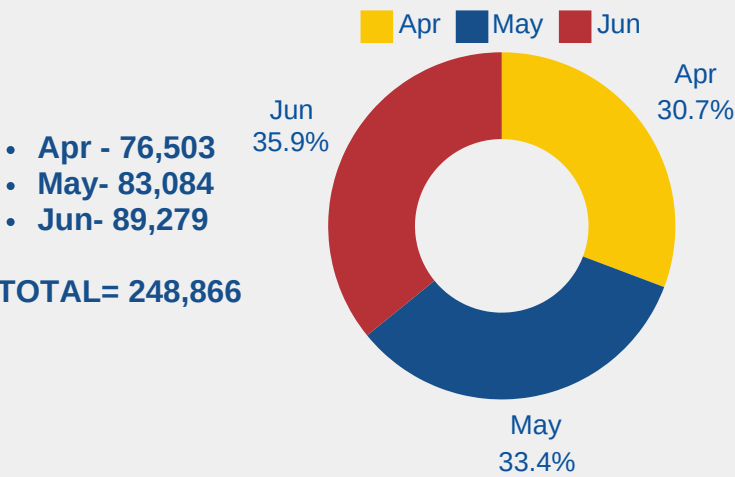
Challenges and Opportunities: The industry faces several challenges, including supply chain disruptions and a shortage of skilled workers. Addressing these issues requires investment in training programs and supply chain management. Conversely, continuous investment in research and development presents opportunities for innovation and growth. Companies that embrace new technologies and sustainable practices are likely to gain a competitive edge.

The insulation and refractory industry is undergoing transformative changes driven by technological advancements, environmental sustainability, and market demands.

Companies that prioritize innovation, efficiency, and sustainability are well-positioned for success in this evolving landscape. As the industry grows, it offers exciting developments and opportunities across various regions and sectors.



HSSE STATS 2024 Q2



CUSTOMER FEEDBACK & TESTIMONIALS

TOSL Engineering's Commitment to Excellence and Safety

For the last three decades, TOSL Engineering Limited has been committed to delivering process solution services and products to regional clients. Our proficiency is supported by key players in natural gas compression, automation, instrumentation, and process control design and implementation. We have successfully constructed, owned, operated, and maintained solutions for our clients, providing comprehensive portfolios encompassing preventative maintenance, local and remote condition-based monitoring, stock consignment, and after-sale maintenance services. Through the seamless integration of our internal divisions, we offer a distinctive bundled service that provides specialized experts for every requirement. We cordially invite you to explore our complete range of services and products on our website at www.tosl.com.

A prominent food and beverage industry player encountered a significant air compressor failure, prompting them to seek assistance from TOSL Engineering. With their existing air compressor being outdated by over a decade, sourcing replacement parts for their system had become impractical. Leveraging the expertise of our rotating department, TOSL swiftly identified, sized, and supplied a Gardner Denver air compressor and an air drier. This urgent order was given top priority, enabling TOSL to mitigate the rental costs incurred by the client due to the insufficiency of air supply, pressure, and volume necessary for their daily operations.

Upon delivery, the installation, testing, and commissioning of the equipment were executed with remarkable efficiency. Thanks to the prompt efforts of our fabric maintenance and automation teams, we significantly reduced the turnaround time, ensuring that the client's operations were back to normal as soon as possible. This efficiency is a testament to our commitment to meeting our client's needs promptly and effectively.

After successfully selling and commissioning the air compressor and drier system, TOSL Engineering secured a two-year contract for parts and maintenance. The smooth electrical installation and commissioning process, carried out by our well-trained and experienced automation technicians, highlighted the company's strength and reliability in this area, providing our clients with a sense of security and confidence in our services.

At TOSL Engineering, we prioritize the safety of our plant personnel, equipment, and the environment above all else, regardless of the urgency or complexity of the task at hand. We adhere to stringent safety protocols and procedures, leaving no room for shortcuts. Our unwavering commitment to safety means that we continually assess and mitigate all risks, striving to eliminate or significantly reduce potential hazards.

QUALITY, HEALTH, ENVIRONMENT AND SAFETY

01

What happened?

- A crew was in the process of erecting the 20x20 welfare tent and while raising the canopy to install the stands, there was a strong wind which overturned the said canopy.
- While having lunch in the welfare tent, there was a strong wind which caused a nearby locker to fall and make contact with an employee resulting in a laceration on the side of his face.
- Upon arrival at the welfare area, a Supervisor observed the tent canopy on the ground with a bent post. Security informed him that the tent was blown over by strong winds.

02

Immediate Action

- Stand down meetings were held to discuss consideration to weather conditions, tying tents to fixed structures and using additional weights to stabilize tents.

03

Lessons Learnt

- Consideration must be given to the weight required to stabilize a tent based on its size, the work environment and possible weather conditions during job planning to determine whether: tents should be tied to fix structures where practicable, weight requirement or scaffolding shed erection.
- Erection of welfare facilities must be included in JSAs.

04

What we are doing differently?

- Development of guidelines for selection and erection of welfare and storage facilities.
- Modification of JSAs to include erection of welfare/storage facilities and relevant control measures.
- Modification of Job / Project Review Checklist to include criteria for welfare/storage facilities.

05

How am I affected?

- Stand down meetings were held to discuss consideration to weather conditions, tying tents to fixed structures and using additional weights to stabilize tents.

PRODUCT & SERVICE SPOTLIGHT

ACCESS SOLUTIONS



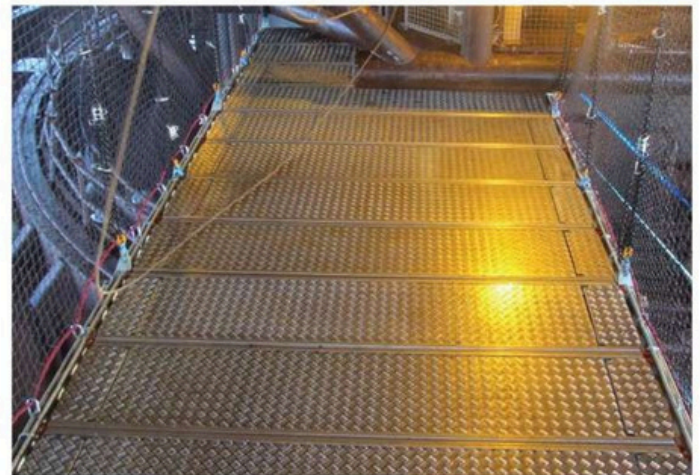
Safe, Economical, Effective

SCAFFOLDING SERVICES

- OSHA & CISRS Certified Scaffolders
- Certified Scaffolding Equipment
- Scaffolding Inventory (>1000 tonnes)
- Engineered Scaffolding
- Rental of Scaffolding
- Workforce Assessment Centre for TTNVQ—(Level 1 & Level 2 Scaffolding)

V-DECK SOLUTIONS

- Reduces Labour Costs
- Reduces Exposure to Work at Height
- 5 x Lighter
- Reduces Load on the Structure
- Improves Efficiency of Access to Helidecks, Pipe Bridges and Other Weak Structures
- Reduces Manual Handling
- 79% Reduction in Components
- Reduces Dropped Objects Risk
- Stronger—Higher Factor of Safety (FoS)



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HR & COMPANY CULTURE – EMBEDDING OUR VALUES

How TOSL Engineering Fosters a Supportive and Inclusive Workplace

Employee engagement has become a pivotal point for organisations around the world as it is an aspect that impacts productivity, innovation and the success of an organisation. It is the connection that employees have with their company. Employee engagement refers to the degree to which employees are dedicated and motivated about their job and their place of work. It's crucial for productivity, profitability, and retaining top talent.

Engaged employees feel valued, contribute beyond their job descriptions, and show discretionary effort. Effective employee engagement strategies rely on communication, trust, and leadership that models core values and supports professional development. An engaged employee will feel like their contribution matters and would not only be motivated by their compensation package. Engaged employees will feel an emotional connection to the company, their role and tasks assigned to them.

At TOSL Engineering Limited (TOSL), it is a core component of our company culture. We understand that our success is driven by the dedication and passion of our team members. To nurture this engagement, we focus on creating a supportive and inclusive environment where employees feel valued and appreciated.

To promote that feeling of inclusion and appreciation, the Human Resource Department commemorated those special days by hosting a “Mom and Me” and “Dad and Me ‘look-alike’ competition, where staff submitted pictures of themselves with their children or parents. Employees were allowed to vote for the pair that looked the most alike. The winner for the Mother’s Day competition was Mala Dabiedeen from the Finance Department, and Ian Brown from the Wire Rope and Rigging Department was the winner for the Father’s Day competition. Each winner received a hamper filled with snacks, beverage and other tokens of our appreciation.

At TOSL, we believe that employee engagement is driven by genuine care and appreciation. Our Mother’s Day and Father’s Day activities are just two examples of how we strive to create a positive and supportive workplace. By recognising and celebrating the unique contributions of mothers and fathers, we not only enhance their engagement but also build a stronger, more connected team. This commitment to our employees’ well-being is what sets us apart and drives our continued success.

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HR & COMPANY CULTURE – EMBEDDING OUR VALUES

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Mala Dabiedeen collecting her prize for winning the "Mom & Me" Competition launched for Mother's Day



Ian Brown collecting his prize for winning the "Dad & Me" Competition launched for Father's Day




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THANK YOU

THE HORIZON IS THE OFFICIAL
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ENGINEERING LIMITED. IF YOU HAVE
ANY QUESTIONS OR COMMENTS
PLEASE FEEL FREE TO CONTACT US

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If you have a concern about TOSL
you can report it anonymously any
time, 24/7 in the following ways:

Toll Free Hotline: +1 800 872-2281

OR

+1 877 RPT-LINE

OR

Report Online www.tosl.com

username: tosltd

Password: reportit