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COMPANY NEWS

TOSL Attends EASA Convention 2024



From Left, Ravi Sookdeo, Manager – Projects and Operations and Rondell Dookie, Team Lead – E&I Services

TOSL Engineering Limited attended the Electrical Apparatus Service Association (EASA) 2024 Convention, held in Las Vegas on June 23rd-25th, 2024. The event, recognized as a leading platform for the electromechanical industry, brought together professionals from around the world to discuss technological advancements, innovations, and best practices in motor repair, diagnostics, and predictive maintenance.

TOSL, known for its comprehensive engineering solutions in the Caribbean, took this opportunity to network with global manufacturers, service providers, and technology innovators. Their participation highlighted their commitment to advancing industry standards and strengthening their service offerings in energy, manufacturing, and petrochemicals sectors across the region.

At the convention, TOSL gained insights on sustainable engineering solutions, advanced diagnostics, and predictive maintenance strategies to help industries reduce downtime and improve operational efficiency. They also explored potential partnerships with international firms to expand their reach and capabilities in delivering energy-efficient and environmentally friendly technologies.

The convention provided valuable learning opportunities for TOSL's team, who attended technical workshops and seminars. By engaging with industry experts and accessing the latest technological trends, TOSL reinforced its position as a key player in the Caribbean engineering sector, ready to bring cutting-edge insights and services to its customers.

COMPANY NEWS

TOSL participated in Zion Fitness House 5K Run

On July 21st, TOSL participated in the Zion Fitness House 5K Run at the Brian Lara Cricket Academy, demonstrating its dedication to community engagement and employee wellness. The event, designed to raise awareness for men's health, attracted a diverse group of participants, including TOSL employees who embraced the opportunity to support a valuable cause. Their active involvement highlighted the company's commitment to promoting health and wellness while fostering team spirit.

TOSL's participation in the run not only contributed to a crucial health initiative but also strengthened internal team dynamics. The shared experience of training and running together enhanced camaraderie among staff, reflecting the company's values of teamwork and community support. By supporting such events, TOSL reinforced its role as a socially responsible organization, dedicated to both employee well-being and broader community health.



COMPANY NEWS

Celebrating the Life and Legacy of Rajeev Chaitram

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It is with profound sadness that we announce the passing of Rajeev Chaitram, our esteemed colleague and friend who left us on Saturday, August 31, 2024. Rajeev was a valued member of the Wire rope & Rigging Department.

Rajeev joined our team in 2022 and gained recognition for his commitment to work and readiness to help others in need right away. He contributed remarkably to both onshore and offshore projects over the years. He was present at all departmental and company activities. He demonstrated teamwork. Rajeev's efforts were instrumental in shaping our goals as a department.

"One of the many things we'll miss about Rajeev is the way he could light up a room with his excitement and cheerfulness. To many of us, Rajeev was more than just a colleague. He would constantly be whistling and singing.

While we mourn, let us also remember Rajeev's legacy. He made an impact on our lives in significant ways, and his contributions will not be forgotten. His heroic deed will never be forgotten, he will forever be remembered as a HERO.

Let us collectively honour Rajeev Chaitram and seek solace in our shared community.

*Gone from our sight
but never from our
hearts*

COMPANY NEWS

SPETT & TOSL on Mobile Offshore Production Unit

On September 5th, TOSL Engineering Limited conducted a comprehensive informational session focused on its innovative Mobile Offshore Production Unit (MOPU). The event attracted a diverse audience, including esteemed members of the Society of Petroleum Engineers Trinidad and Tobago Section (SPETT), who gathered to explore the MOPU's progression from conceptual design to operational implementation.

The session offered an in-depth analysis of the MOPU as a custom integrated solutions project. Attendees received a detailed overview of critical design parameters, including production and compression systems, as well as their integrated utility and safety features. The Operations Team Lead, Don Edan, delivered an insightful presentation, outlining the equipment selection process while addressing essential operating parameters, automation capabilities, and safety measures.

A significant portion of the discussion was dedicated to the construction progress at La Brea. Key topics included navigating ministry approvals, implementing design enhancements, conducting hazard studies, and recruiting specialized personnel. Participants engaged in fruitful conversations regarding the challenges encountered during the pre-commissioning and commissioning phases, particularly focusing on storage preservation and asset security. Additionally, issues encountered during post-sailing startup, such as solids in the flow stream and foaming, were explored along with the implantation of custom chemical applications and process optimization strategies/enhancements.

From left Ms. Gail Ramdass and TOSL's Manager, Engineering & Innovative - Raymond Karamath



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The session stimulated a rich exchange of experiences among participants, encouraging discussions on the evolution of maintenance practices and safety culture, particularly as they relate to technological advancements. Don also highlighted the advantages of employing agile and Scrum methodologies within maintenance management, underlining the importance of leveraging historical data to effectively balance predictive and preventive maintenance approaches.

As a flagship project in TOSL's portfolio, the MOPU exemplifies the company's build-own-operate capabilities and is not shy to publish minimal reliance on subcontractors as an entity which has vast service offerings. Since its commissioning on March 8, 2020, the MOPU has consistently surpassed uptime KPIs for its client and remains actively in service.

TOSL Engineering Limited appreciates the opportunity to share expertise and connect with industry professionals. The team looks forward to hosting additional events aimed at fostering knowledge-sharing and collaboration within the sector.

From left Ms.Gail Ramdass and TOSL's Operations Team Lead - Don Edan



INDUSTRY INSIGHTS

Smart Rigging Systems

In 2024, the wire rope and rigging industry is experiencing a significant transformation with the rise of smart rigging systems. These advanced systems integrate wire rope technology with equipping rigging equipment with sensors that provide real-time monitoring and data collection. This shift represents a major leap forward in improving safety, efficiency, and reliability across various sectors such as construction, maritime, and manufacturing.

Smart rigging systems offer numerous benefits, starting with real-time monitoring of critical parameters like load, tension, and environmental conditions. This continuous data stream allows operators to track performance and identify potential issues before they escalate. Additionally, the predictive maintenance capabilities of these systems enable forecasting when maintenance or replacement is needed, reducing unexpected failures and extending equipment lifespan.

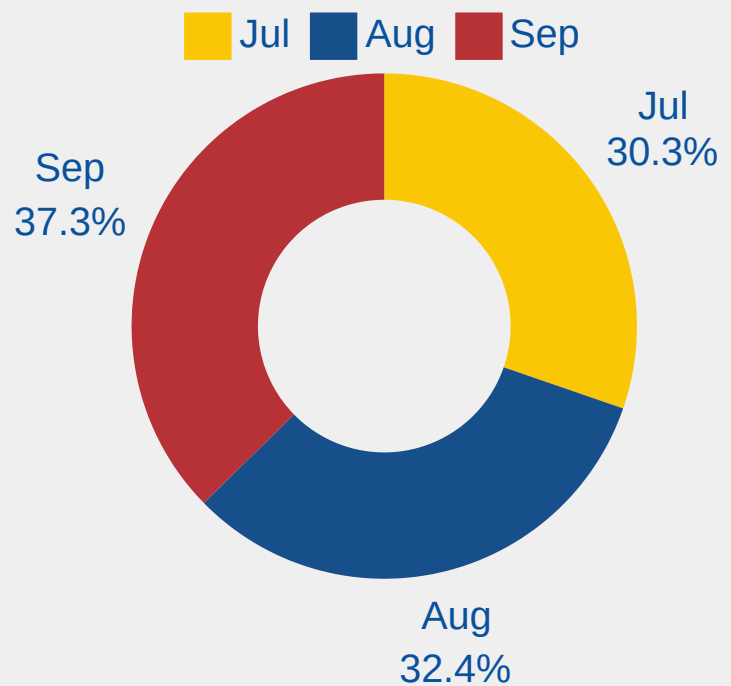
Safety improvements are a key advantage of smart rigging systems. Real-time alerts about excessive loads or equipment malfunctions help prevent accidents and ensure compliance with safety standards.

Detailed data logs also aid in investigating incidents and refining safety protocols. Operational efficiency is enhanced through data-driven insights, optimizing load management, reducing material waste, and facilitating more efficient project completion.

The impact of smart rigging systems extends across various sectors. In construction, they enhance safety on job sites by preventing equipment overloading.

For maritime and offshore operations, these systems ensure reliability in harsh conditions through remote monitoring. In manufacturing and logistics, they streamline operations by optimizing load management and reducing downtime. As the industry continues to evolve, embracing smart rigging systems will be crucial for staying competitive and achieving operational excellence.

HSSE STATS 2024 Q3



Jul - 87,911
Aug - 93,979
Sep - 108,382

TOTAL - 290,272

QUALITY, HEALTH, ENVIRONMENT AND SAFETY

TOSL is proud to celebrate and honor our exceptional employees through our Reward and Recognition Program, designed to acknowledge those who consistently uphold the highest standards of HSSE and Quality in our operations and projects. This initiative shines a well-deserved spotlight on individuals who have demonstrated outstanding performance, and we are excited to recognize and celebrate their valuable contributions to our success.



P&O E&I Team: Fidel Jananan & Mitra Birbalsingh
Excellence in Customer Satisfaction

These team members went above and beyond, providing top-notch QC and instrument fitter support during a critical turnaround. Their commitment ensured that all deadlines were met, earning rave reviews from the client, who commended their dedication and outstanding performance.

Automation Technician: Dwaine Steeple
Mastering Timely Response and Service Excellence

Dwaine delivered exceptional service, achieving 100% and 80% satisfaction scores for timely responses to client call-out jobs. His dedication to customer satisfaction has made a significant impact and showcases his commitment to excellence, showcasing TOSL's drive towards 100% customer satisfaction.

Rope Access Team: Zaara Razac, Donny Harrilal, Brandon Logan, Vishal Maharaj & Irving Bullock
Professionalism and Precision in Action

These team members went above and beyond, providing top-notch QC and instrument fitter support during a critical turnaround. Their commitment ensured that all deadlines were met, earning rave reviews from the client, who commended their dedication and outstanding performance.

QUALITY, HEALTH, ENVIRONMENT AND SAFETY

P&O Scaffolding Crew: Chad Seecharan, George Layne & Adrian Dunbar
Going Above and Beyond in Challenging Conditions

On the Oilbird Platform, the scaffolding team played a crucial role in solving a tricky situation when a wire rope became tangled during a crane replacement. With quick thinking and expert handling, the team safely managed the situation, minimizing delays and ensuring a smooth, safe completion of the task.

Site Supervisor: Karan Bissoon and Team
Unwavering Commitment to Quality and Safety

For their exceptional work on the N2000 Cooling Tower Cell 3 Project, Karan and his team received high praise from the client, who highlighted their unwavering focus on safety, quality, and timely delivery. The client expressed full confidence in Karan's leadership and his team's ability to perform under pressure, making them the top choice for future projects.

These employees embody the excellence, dedication, and passion we value so deeply at TOSL. Join us in celebrating their exceptional contributions to the success of our projects and the upholding of our high standards.



PRODUCT SPOTLIGHT



MOST ADVANCED FLUID SYSTEM CONNECTORS SINCE THE MARKET

Lokring is a revolutionary method for creating secure, permanent pipe connections without the need for hotwork or welding. Designed for small diameter pipes (1/4" to 3") and tubes (1/4" to 2"), Lokring fittings provide a weld-equivalent bond using patented hydraulic tooling. This advanced technology swages the fitting onto the pipe, forming a durable, leak-proof metal-to-metal seal.

Why Choose Lokring Over Welding?

- No hotwork required, making it safer for areas with solvents and chemicals
- Eliminates heat-affected zones, reducing risk of corrosion
- Avoids weld-related issues like slag, incomplete fusion, and suckback
- Accelerates installation, improving project timelines
- Reduces dependency on highly-skilled welders
- Forms a 360° metal-to-metal seal, ensuring a leak-proof, reliable connection



Lokring Material Options

- **Stainless Steel 316L**
 - Pipe Size: 1/4" NPS to 3" NPS (Schedule 10/40/80)
 - Temperature Rating: Up to 800°F
 - Compliance: Matching pipe per B31.1/B31.3
- **Carbon Steel 15V24 Micro-alloyed**
 - Pipe Size: 1/4" NPS to 4" NPS
 - Schedule Options: 40/80 (1/4" - 4"), 160 (1/4" - 1")
 - Temperature Rating: Up to 650°F
 - Compliance: Matching pipe per B31.1/B31.3
- **L'TCS 333 / 4130 NACE**
 - Pipe Size: 1/2" NPS to 4" NPS
 - Schedule Options: 40/80/160 (1/2" - 2"), 40/80 (3" - 4")
 - Temperature Rating: Up to 800°F
 - Compliance: Matching pipe per B31.1/B31.3

COMPANY CULTURE AND VALUES

TOSL Rewards SEA Students

During the months of July and August, TOSL Engineering reinforced its belief that a successful business is built on investing in its people and their families. To celebrate the academic achievements of its employees' children, the company awarded cash vouchers to students who successfully completed the Secondary Entrance Assessment (SEA) exams. This initiative highlights TOSL's commitment to nurturing both the personal and educational growth of its workforce's families, reflecting its broader values of support, encouragement, and community-building.

By recognizing these students, TOSL not only strengthens its connection with employees but also emphasizes the importance of investing in future generations. The company believes that success is measured not just by business performance but by the well-being and development of the next generation, creating a workplace culture that champions both professional excellence and personal growth.



CASE STUDY

The PETROTRIN/Fluor Daniel Isomerization Project

The PETROTRIN/Fluor Daniel Isomerization Project, carried out from 2007 to 2009, was a major industrial initiative that required careful planning, technical expertise, and strong leadership. After being awarded the contract following detailed discussions with the client, a skilled management team and over 100 workers were mobilized to oversee the project. Given the large-scale nature of the task, the team focused on ensuring high-quality execution and strict adherence to safety standards, with every aspect of the project carefully coordinated to meet demanding deadlines.

Throughout the project, the team faced significant challenges, including complex technical requirements, resource management, and maintaining timelines. Despite these obstacles, the team demonstrated a remarkable ability to adapt and problem-solve, consistently finding solutions that kept the project on track. Effective communication, both within the team and with the client, was critical to addressing issues as they arose, ensuring minimal delays and maintaining the project's integrity. Their expertise and hands-on approach allowed the project to progress smoothly, maintaining a balance between practical execution and uncompromised quality.

Upon completion, the project was deemed a success, exceeding the expectations of all stakeholders involved. The team's dedication, commitment to excellence, and focus on delivering high-quality results left a lasting impression and set a new standard for similar large-scale industrial projects. The project serves as a testament to the importance of integrity, expertise, and collaboration in achieving successful outcomes in the industrial sector.




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THANK YOU

THE HORIZON IS THE OFFICIAL
QUARTERLY NEWSLETTER OF TOSL
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