



ENGINEERING



For over half a century, TCR has been quietly changing the world. You may not see us, but we're there—in the oil and gas you depend on, in the bridges you cross every day, in the cars you drive, and in the energy that powers your home. Headquartered in Mumbai, TCR Engineering is not just a materials testing lab—it's a beacon of reliability and innovation.

Our mission is simple yet profound: we ensure that the world's industries operate safely, efficiently, and sustainably. With cutting-edge testing, advanced NDT techniques, and unrivaled expertise, we solve complex challenges for over 5,000 clients across the globe. From India to Saudi Arabia, from automotive to aerospace, defense to infrastructure, we are the trusted partner that industries rely on to move forward with confidence.

But here's the real magic: It's not just about machines or tests. It's about people. The brilliant minds—engineers, metallurgists, and scientists—who pour their passion into every solution. It's about the clients who trust us to protect their operations, their people, and their reputation. It's about partnerships, built on a foundation of trust and transparency, that span decades and continents.

At TCR we redefine possibilities. We take data and turn it into actionable insights. We transform risk into resilience. And we take the challenges of today and engineer the innovations of tomorrow. So, whether it's analyzing the tiniest fracture in a turbine blade, mapping corrosion in pipelines, or developing groundbreaking solutions for failure prevention, TCR Engineering is always one step ahead.

This isn't just a company. This is a movement. A legacy. A promise to make industries smarter, safer, and more sustainable. Join us. Partner with us. Build the future with us. Because at TCR Engineering, we don't just test materials. We test the limits of what's possible.

We can't help but reflect on the vision of our founder, Mr. V.K. Bafna. He wasn't just a brilliant metallurgist; he was a man who deeply believed in the potential of India. After completing his education in the United States, he could've stayed abroad, could've pursued an easier path — but he chose to come back. He came back to build something here, something that could lift India up on the global stage. And that was a powerful choice.

He started TCR in 1973 with a small lab in Bombay Central and would go from trader to trader in the Mumbai Metal Market, collecting samples himself and taking them back to the lab. That's how personal it was for him. He built trust one handshake at a time, one test at a time. And that's why this company still stands strong today. Because no matter how big we've grown, we've never forgotten those values — Reliability, Integrity, and Commitment to Quality.



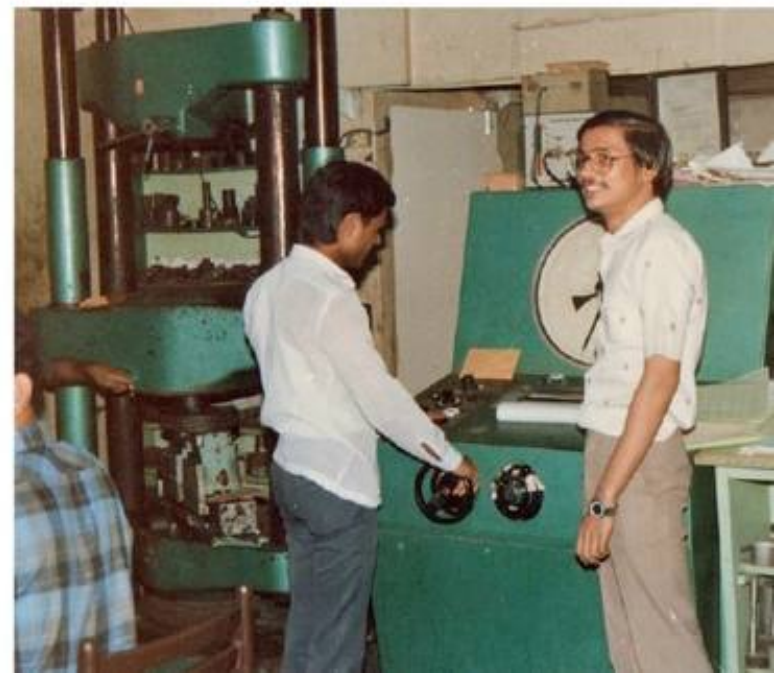
This milestone is a tribute to the vision and values on which TCR was built. My husband, Shri. V.K Bafna., and I set out to create a company that could redefine quality and integrity in materials testing. It fills me with pride to see that TCR has not only upheld these values but also expanded them to a global scale, building enduring relationships with clients and continually pushing the boundaries of what we can achieve in material science and testing.

Over the past 50 years, TCR has transformed from a local lab into an international powerhouse, now with a presence in Saudi Arabia, Qatar, Malaysia and Nigeria, among other regions. Its success is deeply rooted in a commitment to bridging the gap between clients' needs and leading-edge engineering solutions.

With expertise spanning Mechanical Testing, Advanced Non-Destructive Testing (NDT), Civil Construction Lab, Asset Integrity Consulting, Third Party Inspection, Boiler Audit, and Failure Analysis, TCR Engineering Services supports industries in addressing complex challenges, ensuring plant reliability, safety, and compliance.















LALIT SURVE
GENERAL MANAGER

I see TCR continuing to set the benchmark in quality and innovation. We're expanding our research and development capabilities and investing in new technologies, from robotics to AI-enhanced inspections. My hope is that TCR's commitment to quality will inspire more Indian companies to take pride in the label "Proudly Made in India." This is not just about building locally but building to the highest standards. It's our way of contributing to India's legacy on the global stage.



AVINASH TAMBEWAGH
TECHNICAL HEAD

Expertise spanning Mechanical Testing, Advanced Non-Destructive Testing (NDT), Civil Construction Lab, Asset Integrity Consulting, Boiler Audit, and Failure Analysis. TCR Engineering Services supports industries in addressing complex challenges, ensuring plant reliability, safety, and compliance. TCR has continued to invest in advanced testing capabilities, from fatigue testing of TMT rebars and couplers for the construction industry, automated radiography crawlers to robotic inspections of bridges and tanks, all while expanding its global reach and impact.







Steel bends, but trust doesn't. For 50 years, TCR Engineering has been the backbone of industries, turning molten dreams into unbreakable realities.

We don't just test materials—we prove resilience. We don't just certify structures—we uphold legacies. Every inspection, every weld, every test we undertake isn't just about quality; it's about integrity—of materials and of promises.

From the heart of India to the global stage, TCR Engineering stands as a testament to what it means to deliver strength, precision, and excellence. Because in the world of engineering, trust isn't given; it's earned.

TCR Engineering. 50 years of being India's strength, trusted worldwide.







THE OPERATIONS TEAM

At TCR Engineering, our young and dynamic operations team brings unmatched energy and innovation to every project. With a commitment to precision and excellence, we ensure top-notch service delivery, staying ahead of industry challenges and client expectations.

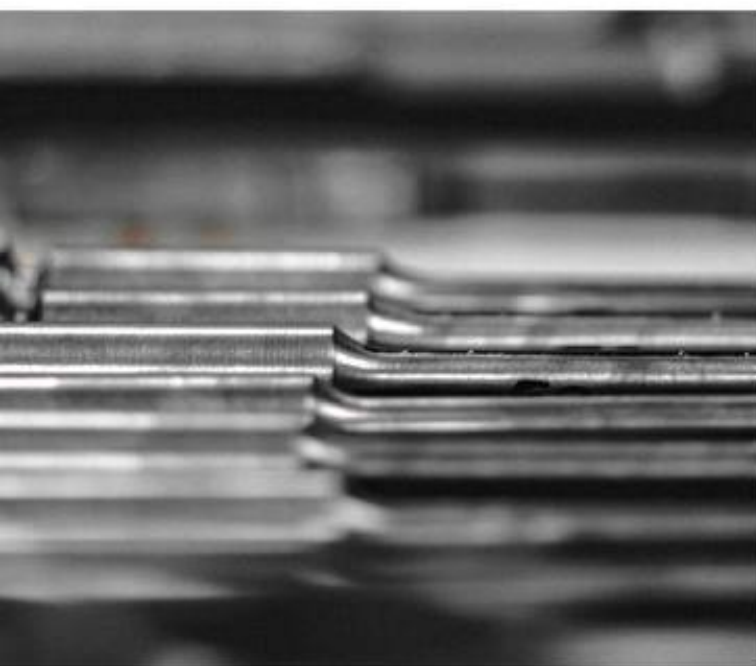






























































Greatness isn't found in what you build. It's found in how strong it stands. For 50 years, TCR Engineering has been the quiet force behind the industries shaping our world. We're not just testing metals; we're testing boundaries, ensuring that every weld, every pipe, every structure isn't just good enough—it's extraordinary.

At TCR, quality assurance isn't a service; it's a promise. From pioneering NDT solutions to setting global standards in reliability, we've redefined what it means to make in India. We believe in empowering engineers, uplifting metallurgists, and inspiring a nation to dream bigger.

Here's to the ones who build, who test, who never settle. Here's to strength, precision, and possibility. Here's to TCR Engineering.

मज़बूत धरती पर सपने खड़े होते हैं, और
मज़बूती तब आती है जब विश्वास हो।

पिछले पचास साल से, टीसीआर इंजीनियरिंग
भारत के हर सपने को मज़बूती दे रहा है।
हमारा काम सिर्फ़ मटीरियल्स का टेस्ट करना
नहीं, भरोसे को आजमाना है। हमारे इंजीनियर्स
और टेक्निशियन्स हर दिन ये साबित करते हैं
कि 'मेक इन इंडिया' का मतलब सिर्फ़ बनाना
नहीं, एक मिसाल बनाना है।

चाहे मेटालर्जिस्ट्स को नई उड़ान देनी हो या
टेक्निशियन्स को दुनिया के मंच तक पहुंचाना
हो, हम भारत का नाम रोशन करते हैं।

मज़बूती का एक ही नाम है—टीसीआर
इंजीनियरिंग। पचास सालों का सफ़र, जो भारत
के विश्वास और दुनिया के भरोसे से लिखा गया
है।





























ATUL YADAV
PR AND HR HEAD

जब बात हो सटीकता की, तो कोई कंप्रोमाइज नहीं।
50 सालों से TCR ने दिया है भारत को वो भरोसा,
जिसपे बड़े-बड़े प्रोजेक्ट टिका करते हैं।
चाहे हो रोड और ब्रिज का इन्स्पेक्शन या पाइपलाइन का जीवन आकलन,
TCR है उस काम में जिसे कह सकते हैं - देश का इंजन।







SURESH ACHARYA
FORMER COUNTRY HEAD

At TCR, we believe that the difference between "Make in India" and "Proudly Made in India" comes down to quality assurance and in-depth testing. While "Make in India" promotes domestic manufacturing, "Proudly Made in India" means our products and services meet world-class standards. TCR excels in ensuring that the components and materials going into industries as diverse as automotive, petrochemicals, infrastructure and defense, are of superior quality, helping companies build with confidence.





ASHWANT SINGH
ASST. GENERAL MANAGER

At TCR Engineering, we believe in the power of young talent to drive innovation and excellence. By providing challenging projects and limitless opportunities for growth, we empower our team to reach new heights while shaping the future of the industry. Join us to turn your passion into impact and be part of a company that invests in your success!







हर मेटल की परत में छुपी है एक कहानी।
हर टेस्ट में दिखता है हमारा इरादा।
1973 से लेकर आज तक, भरोसे की पहचान है TCR,
जहाँ हर परिणाम में है नतीजों की सच्चाई।

आज, जब भारत की सबसे बड़ी कंपनियाँ सोचती हैं
क्वालिटी, टेस्टिंग और इंटीग्रिटी की, वो नाम है TCR.
हमारा वादा है सटीकता और ईमानदारी, ताकि हर
प्रोजेक्ट हो मजबूत और बेखौफ। TCR - आपके
भरोसे का साथी।



BOMBAY METAL EXCHANGE LTD.
GOLDEN JUBILEE 2007-2009
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SHAH | ANILAL M. BAFNA
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GRAND GOLDEN JUBILEE 2007-2009
TER ENGINEERING

BOMBAY METAL EXCHANGE LTD.
ESTD 1956
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SHRI MOHANLAL H. SHAH
SHRI SURENDRA M. PARIKH
SHRI NANDI













VIREN KHANDWALA
DIRECTOR





PARESH HARIBHAKTI
DIRECTOR



In 1999, TCR Advanced was founded with a bold vision: to revolutionize materials testing and NDT services with unparalleled expertise and cutting-edge technology. It was a decision fueled by foresight, determination, and an unwavering commitment to quality.

Fast forward to today, TCR Advanced stands as a beacon of success, celebrating decades of innovation and leadership in the industry. From our humble beginnings, we've grown into a trusted partner for global giants like Saudi Aramco and RIL, delivering pioneering solutions in asset integrity, failure analysis, and advanced inspection techniques.

Our decision to establish TCR Advanced in 1999 wasn't just about starting a company—it was about building a legacy. With state-of-the-art labs, a diverse and skilled workforce, and continuous R&D breakthroughs, we've set benchmarks in excellence while contributing to critical projects that shape industries and infrastructure.

This incredible journey is proof that great decisions backed by passion and expertise create extraordinary futures.









MAIL: testing@tcradvanced.com WEBSITE: www.tcradvanced.com

TCR Advanced
Engineering P. Ltd.

Experts in Metallography & Failure Investigation

21/4, G.I.D.C., Makarpura, Vadodara. 390015

SHOES
FIRST
STEPS
NEXT





At TCR Advanced, every detail is our responsibility. We're here to ensure that industries don't just function—they excel. Our material testing, inspection, and asset integrity services are designed to remove uncertainty, to validate the performance of everything we touch.

We believe precision isn't just about results—it's about trust. It's about allowing every engineer, project manager, and industry leader to move forward with confidence.

We don't just provide results; we offer absolute clarity. Precision that drives industries forward.



TCR
ADVANCED
ENGINEERING

















When it comes to critical decisions, trust matters. The right data is powerful. It protects, predicts, and prevents.

Whether it's root cause analysis or complex integrity assessments, we help companies look forward with confidence.

TCR provides insight that doesn't just protect; it propels progress. When you choose TCR Advanced you're choosing the gold standard in testing and inspection.













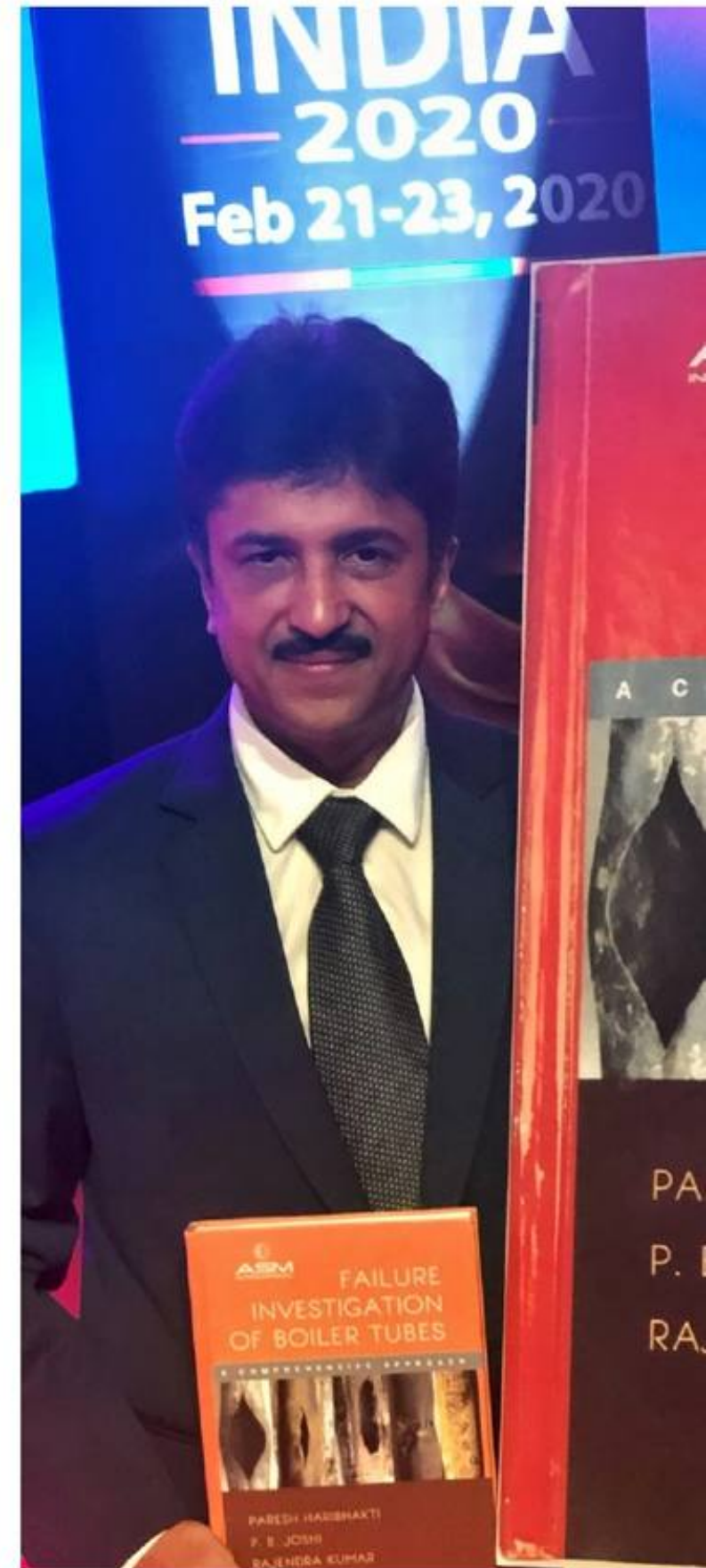


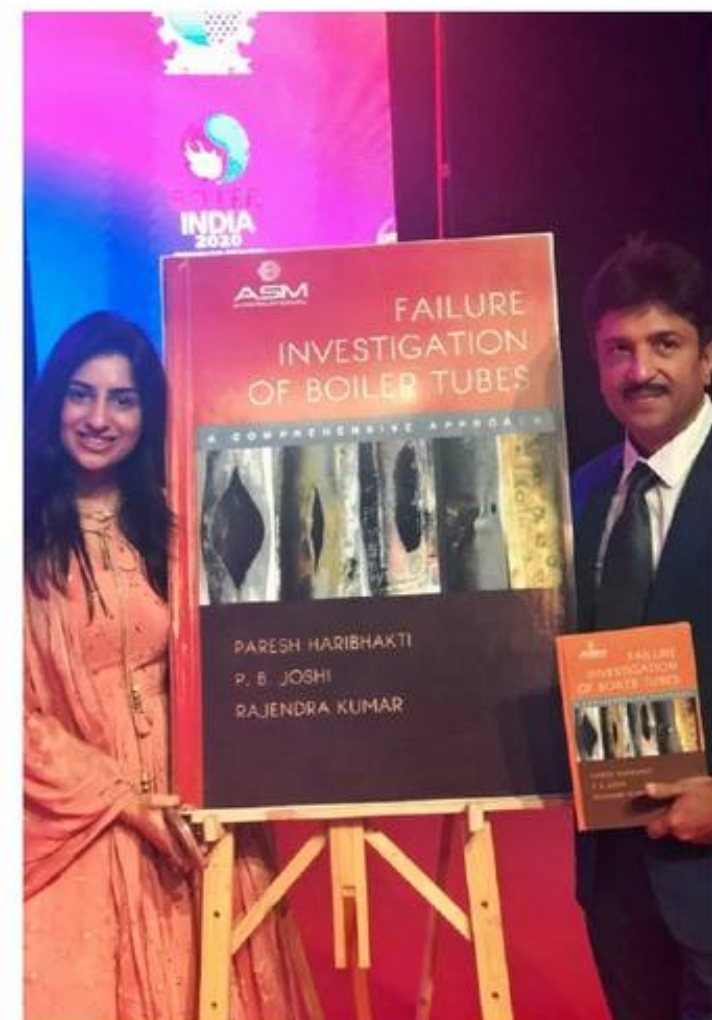
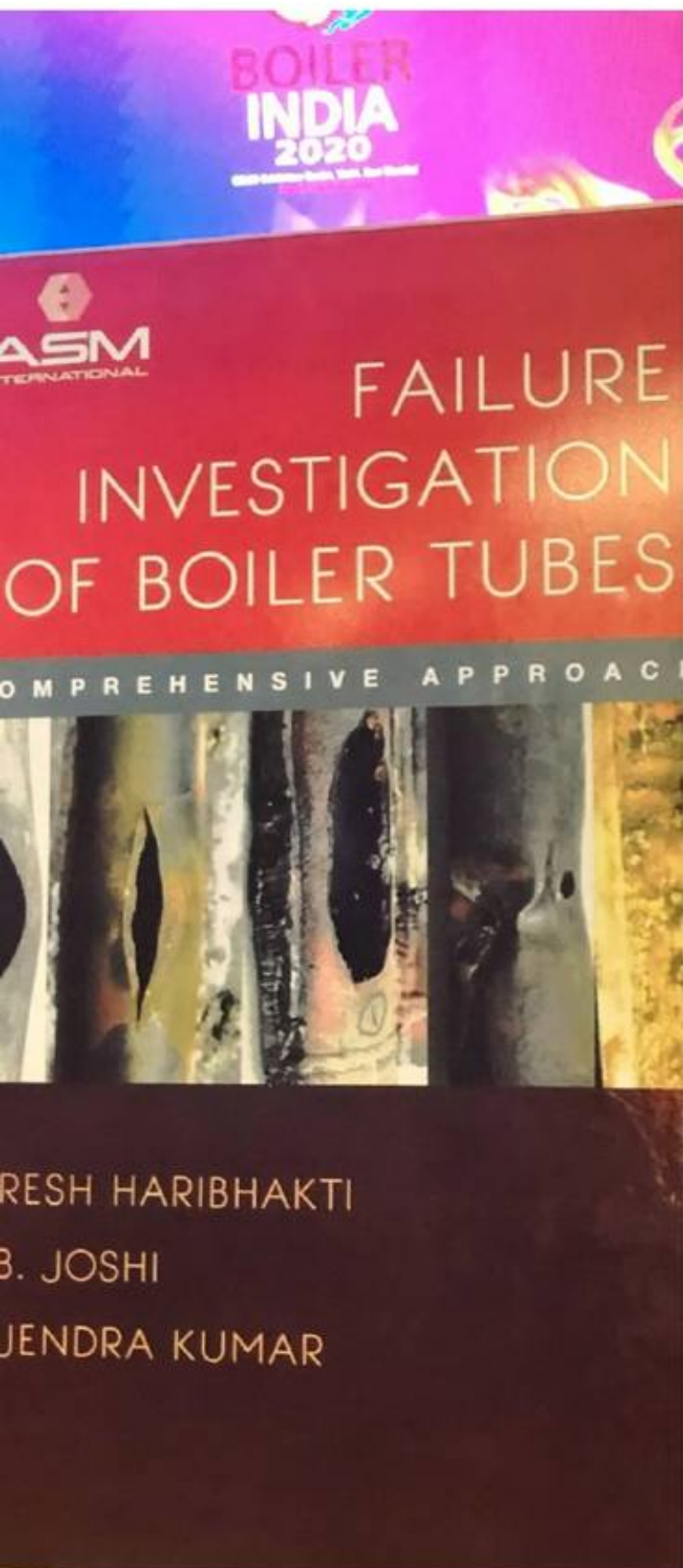


Here's to the ones who don't just study metal—they understand it. The ones who see beyond the surface and dive deep into its story. Evolve isn't just a training academy; it's a revolution. From metallographic replicas to asset integrity, it's where talent meets precision. Where learning transforms into leadership. It's not about keeping up. It's about leading the way. Because when metallurgists evolve, industries transform. And the world? It gets stronger.



















 **TER»**
ADVANCED

Mr









A quarter-century of progress.
A legacy of trust. A future of possibilities.

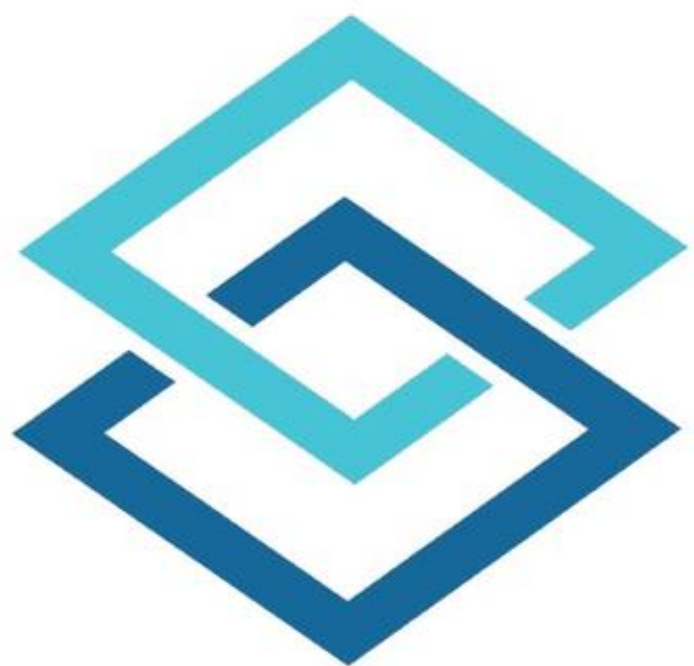
TCR Advanced Engineering Pvt. Ltd. celebrates 25 years of shaping industries, delivering innovative engineering solutions, and building enduring partnerships. From humble beginnings to becoming a trusted leader, our journey has been fueled by unwavering values: **Trust, Competence, Reliability, and Achievement.**

This is more than a celebration—it's a story of passion, perseverance, and the people who made it all possible. Watch as we reflect on our milestones, honor our challenges, and look ahead to the endless possibilities that lie beyond.

Together, we build. Together, we achieve.







TER»
ARABIA





Solutions for Plant Reliability

Preventive Maintenance	Condition Monitoring	Asset Management	Process Optimization	Energy Efficiency
Regular inspection and maintenance of equipment to prevent failures.	Use of sensors and data analysis to detect equipment degradation.	Optimization of asset performance and lifecycle management.	Improvement of process efficiency and reduction of waste.	Implementation of energy-saving measures and optimization of energy consumption.
Process Control	Quality Management	Health, Safety & Environment	Regulatory Compliance	Customer Satisfaction
Implementation of advanced process control systems to optimize production.	Establishment of quality management systems to ensure product quality.	Implementation of health, safety, and environmental management systems.	Compliance with regulatory requirements and standards.	Implementation of customer satisfaction programs and feedback loops.









From pioneering materials testing to redefining asset integrity, we bring precision with a purpose. TCR Arabia's range of services—from Mechanical Testing to Asset Integrity—ensures every test, analysis, and inspection meets the highest level of accuracy. Whether it's preventing failures or extending the life of your assets, we don't just conduct tests; we create solutions.

When it comes to quality, experience, and precision, TCR Arabia sets the standard. Every test brings assurance, every decision carries confidence. TCR – trusted results, without compromise.





What it takes to be No.1

by Vince Lombardi



You've got to pay the price.

"Winning is not a sometime thing; it's an all-time thing. You don't win once in a while; you don't do it right over in a while; you do it right all the time. Winning is a habit. Unfortunately, so is losing."

"There is no room for second place. There is no place in my game and that is first place. I have second twice in my time as Green Bay and I don't want to finish second again. There is a second place, but it is a game for losers played by losers. I have always been an American and as far as I am concerned, we should win and to win and to win."

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What it takes to be No.1



by Peter Lombard

How to go to the top of the tree

When you are at the top of the tree, you are the only one who can see the forest. This is the challenge of leadership. It is not just about seeing the forest, but about seeing the forest from a different perspective. It is about seeing the forest from the inside, from the heart. It is about seeing the forest from the top, from the peak. It is about seeing the forest from the bottom, from the roots. It is about seeing the forest from all angles, from all sides. It is about seeing the forest from the inside, from the heart. It is about seeing the forest from the top, from the peak. It is about seeing the forest from the bottom, from the roots. It is about seeing the forest from all angles, from all sides.



At TCR Arabia, every test result tells a story. With unparalleled accreditations and advanced lab facilities, we ensure those stories are about accuracy, reliability, and safety. Trust us with your most challenging testing needs.

TCR's range of services—from Mechanical Testing to Pipeline Integrity—ensures every test, analysis, and inspection meets the highest level of accuracy. Whether it's preventing failures or extending the life of your assets, we don't just conduct tests; we create solutions.









Engineering with Faith. TCR Arabia at Mecca

When the Safa-Marwa Expansion Project at the Holy Mosque in Mecca called for precision and reliability, TCR Arabia delivered unmatched expertise. Our Non-Destructive Testing (NDT) solutions were performed at this revered site, blending cutting-edge technology with unwavering respect for its sanctity.

Proud to contribute to one of the most significant projects in the world, TCR Arabia continues its commitment to excellence, delivering quality and trust where it matters most.













 V.K. Bafna Conference Room





Honoring Vision, Inspiring Excellence: The V.K. Bafna Conference Room

A Legacy of Leadership, a Space for Innovation.

TCR Arabia proudly dedicates its new conference room to our esteemed founder, V.K. Bafna, whose visionary leadership laid the foundation for our success. This space stands as a tribute to his enduring legacy—a place where ideas flourish, strategies take shape, and innovation leads the way.

The V.K. Bafna Conference Room symbolizes our commitment to excellence, honoring the past while building a future of endless possibilities. At TCR Arabia, every milestone celebrates our heritage and inspires progress.







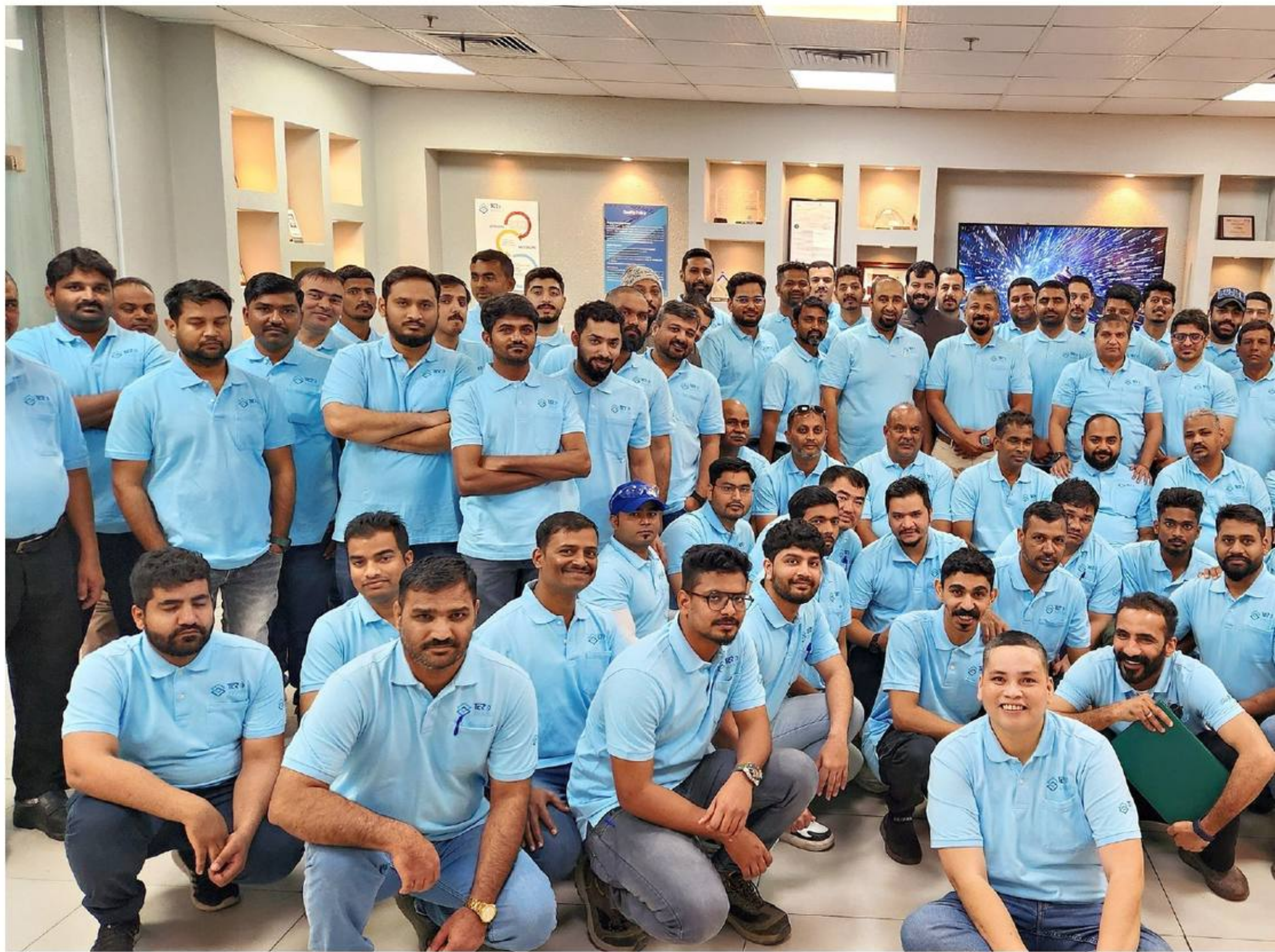














"Good companies meet expectations. Great companies exceed them. At TCR Arabia, we redefine them."

For over 18 years, TCR Arabia has been more than a service provider—we've been a partner in transforming industries. With our headquarters in Dammam, branches in Jubail, and a new lab opening in Yanbu, we're not just present in Saudi Arabia; we're shaping its industrial future.

Now, think about this: every second of plant downtime costs millions. What if you could drastically reduce it, keep operations running, and gain insights that protect your assets and optimize performance? That's what TCR Arabia delivers.

Our solutions reduce downtime, optimize efficiency, and provide insights you can trust.

Companies like Saudi Aramco and SABIC trust us because we deliver not just solutions, but game-changing innovation.

It's not just about testing materials; it's about creating a future where safety, efficiency, and innovation come together seamlessly.

"At TCR Arabia, we're not just building trust. We're engineering the future."

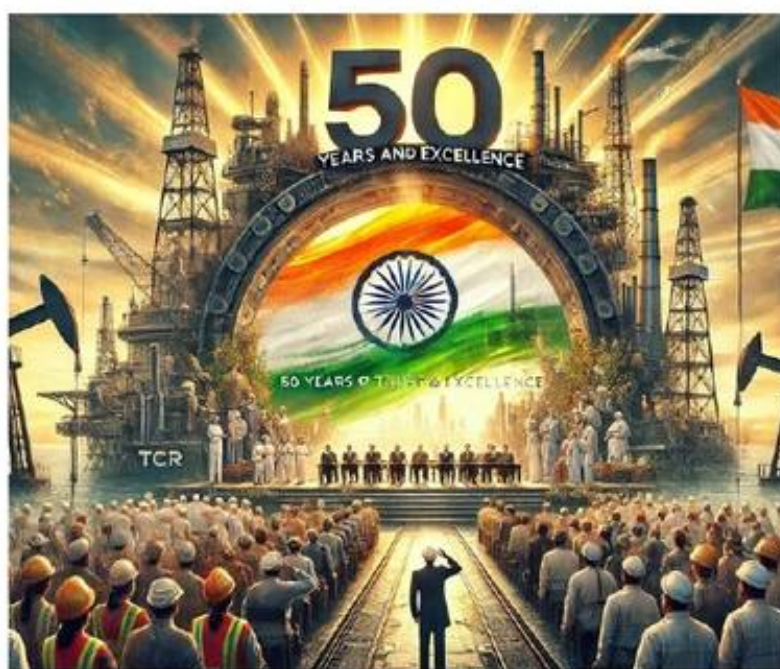














Rohit Bajna











Precision, Integrity, and Innovation. Since 1973
Testing to the Core of Integrity. Proven in Every Industry.
Precision in Testing, Reliability in Results.
Certainty Crafted.