

# PERMANENT

POWERING EXCELLENCE THROUGH ADDITIONAL LIFECYCLE STIMULUS

## SUCCESS UNFOLDED



## MESSAGE FROM THE CMD

Dear Coreites,

*As we proudly launch our inaugural internal e-newsletter, I am compelled to reflect on the exceptional path we have forged together at CORE Energy Systems Limited. This newsletter not only marks a milestone in our journey but also celebrates the ethos that defines us: an innovative engineering company for sectors crucial to our nation's backbone—nuclear energy, defense, aerospace, and oil & gas.*

*Since our inception, we have thrived on challenges, turning complex problems into opportunities for growth and innovation. Our work demands a blend of precision and creativity, that each of you brings to the table daily. The solutions we have developed demonstrate our appetite to take on such challenging projects due to our vast experience and hands-on ability to deliver.*

*In our commitment to national and global progress, your perseverance and ingenuity have been our most valuable assets. You have proven time and again that with a strong team, even the most daunting challenges can be transformed into achievements that not only serve our country but also set a global benchmark.*

*This e-newsletter is envisioned as a canvas to showcase our accomplishments and to inspire each other towards greater heights. It is a reflection of our collective spirit and a platform for us to articulate our innovative ideas and share the success stories that each of you helps create. It will keep us connected, informed, and inspired as we continue to push the boundaries of what is possible.*

*Let us embrace this opportunity to reinforce our dedication to excellence and innovation. Together, as Coreites, let's continue to contribute profoundly to our sectors and uphold the trust our clients place in us. Thank you for your relentless commitment and for making CORE Energy Systems not just a workplace, but a powerhouse of path-breaking solutions.*

*Together, we are not just engineering the future; we are redefining it.*

*Warm regards,*

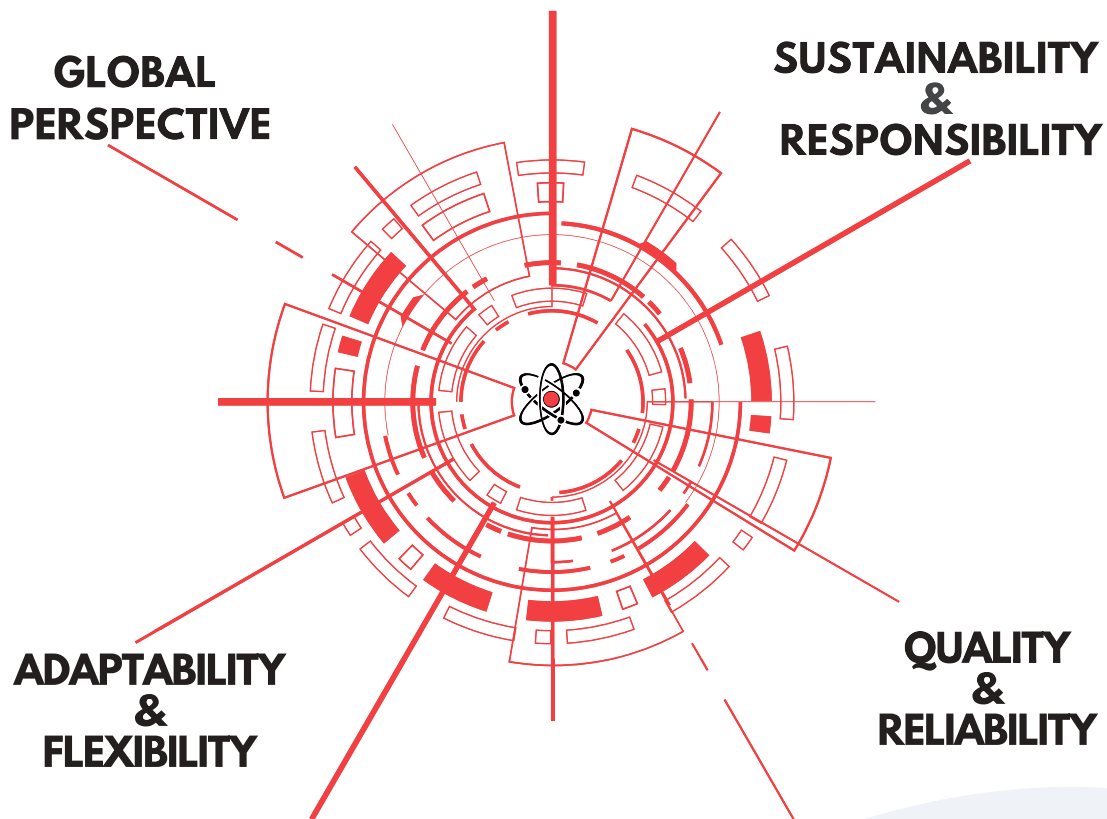
*Nagesh Basarkar*





# Our Mission

Engineering excellence through **innovative**, world-class service and **sustainable solutions**.



Core is at the forefront of engineering and technology innovation since 1997 bringing custom engineering solutions with their flexible packaged systems. Core is driven by its philosophy of quality, cost optimization and technical expertise and has maintained strong focus on indigenization of technology to serve communities and societies at a whole.

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# When Did You Last Dive Into Your Customer's World?- The Core of Success

Over these years EPC industry in India and around the world has evolved significantly. Many of us entered our careers with paper blueprints and data sheets on tracing paper filled by hand. While we watched the communication moved from Telegram, Telex, Facsimile, and Emails. Audio & Video conferencing and even Virtual Reality based Reviews for technical work & immersion.

Along with this evolution, the process of understanding customer requirements also moved. There used to be a point when meeting customers, visiting sites, and immersing yourself into the atmosphere and space in which customer exists & operate, was an important feature, before bidding or beginning any project.

Then came the time of automation of business processes, Use of Software, Workflows & Standard operating procedures. With all that, sometimes do we lose capturing the essence of customer requirements along our journey?



Rajesh Angal

**Executive Director- BD & Operations**

In sectors such as consumer goods & services, we have customer care executives, relationship managers, and Escalation managers plus, we have chatbots and other AI-based products to handle customer queries. Most of us find this a frustrating experience, where we explain our problem multiple times and still it doesn't get resolved.

Coming back to the EPC industry I believe immersing yourself back into customer space, customer needs, customer expectations, and customer aspirations that are stated, unstated & implied will become key differentiators!

Companies that will be able to balance a high degree of business automation & robust yet flexible processes on one hand while still maintaining the magic of understanding customers on the other hand will prevail in the long run.

In this maiden newsletter of CORE Energy, I would like to add something that was used in an airline advertisement in print media decades ago. It said, "What is the last time you did something for the first time?"

**We must remember that the Journey and energy of CORE have always emerged from founders reaching the core of customer needs! Wishing all of you a Happy Journey to CORE & core!**

We must remember that the Journey and energy of CORE have always emerged from founders reaching the core of customer needs!  
Wishing all of you a Happy Journey to CORE & core!

**Remember, The magic lies in blending automation with genuine connection!**

**Embrace innovation while staying rooted in customer understanding—it's the key to thriving in the EPC industry.**



# 20 Years Building Resilience: Lessons from Core's Landmark Nuclear Project

## Resilience

**Resilience.** It's a term we often hear, yet for those of us who have navigated the complexities of the energy sector for over two decades, it transcends mere jargon—it is our ethos.

At Core Energy Systems, resilience has been our compass, guiding us through formidable challenges and illuminating the path to innovation and trust. Our landmark nuclear project stands as a testament to this enduring spirit, shaping not just our company's future but also redefining the nuclear engineering landscape.

Let us journey back to the inception of this monumental mission—a venture that would carve our name into the annals of history.



## Facing the Unknown

Embarking on a nuclear project without precedence is daunting. Imagine stepping into a realm where no one has ventured before. That was our reality at Core. As pioneers in this complex field, we quickly realized we were charting uncharted waters. With no reference or white papers to fall back on, we turned to international experts and scrutinized global case studies. The result? We stood at the forefront of innovation, daring to do what had never been done.

Resilience emerged as our cornerstone. It wasn't merely about completing tasks; it was about instilling confidence in our clients and proving that we could lead and innovate amidst uncertainty.

## Establishing Global Confidence

In unfamiliar territory, collaboration becomes paramount. We understood that success was a collective endeavor. Partnering with industry giants like EDF, Westinghouse, and Framatome, we harnessed their expertise and insights, which were invaluable to our mission. These alliances were not just strategic; they were essential.

Through transparent communication and meticulous planning, we fostered trust among our partners and clients alike. Confidence was built not merely on promises but through tangible actions—every risk assessed; every step meticulously outlined. This credibility became the bedrock of our project.



Badrinath Sawant  
Sr. Vice President- Projects

### Building a Collaborative Ecosystem

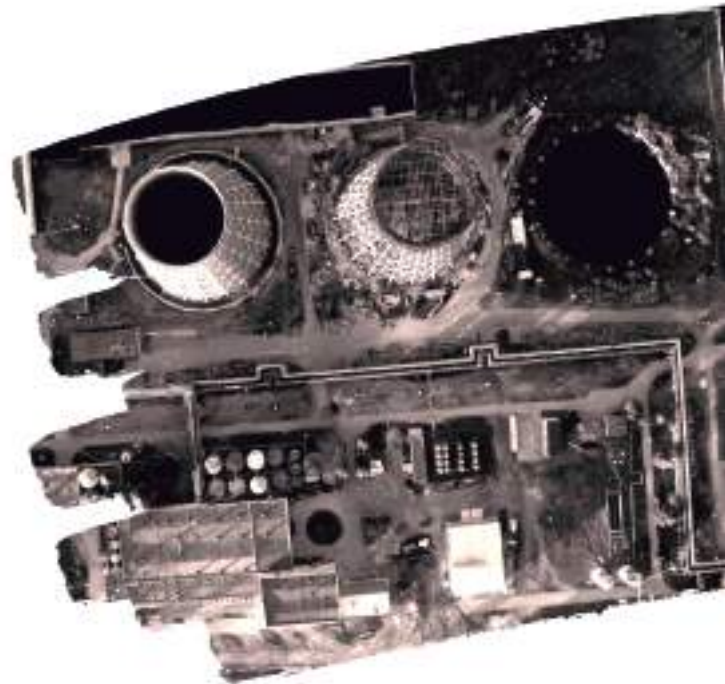
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Automation was our ally. By integrating systems and synchronizing activities, we streamlined workflows, enhancing precision and mitigating risks. Our commitment to Indigenous product development empowered us to adapt swiftly to unique challenges, maintaining control over the intricacies of the project.

### Innovating from Scratch

This project was not just a test of resilience; it was a crucible of creativity. Many of the tools we required simply did not exist. Our engineering team rose to the occasion, crafting solutions tailored to the specific demands of the nuclear environment.

Consider one of our most significant challenges: ensuring reactor stability in a vertical position. A seemingly straightforward task, yet in the nuclear realm, precision is paramount. We engineered specialized gadgets to maintain stability, balancing innovation with safety.



Aerial View of Nuclear Power Plant

### Overcoming Radiological Challenges

Among the myriad challenges, decontaminating the plant's piping system was particularly daunting. Radiation levels had to be meticulously controlled, with no margin for error. Our team devised a method that harmonized safety with efficiency, ensuring compliance with stringent regulations.

Moreover, the disposal of radiological waste demanded inventive solutions. Traditional methods fell short, prompting us to design custom spatial containers that not only met safety standards but optimized storage, saving time and costs for both Core and our client.



*THE NEVER-GIVE-UP*

**ATTITUDE**

What propelled us through the toughest phases was our unwavering determination. Each challenge—technical, logistical, or mental—tested our resolve, but we pressed on. From system design to building a vendor base, or to maintaining reactor stability, every obstacle became an opportunity for innovation.

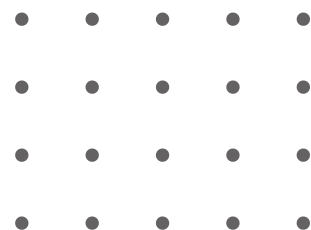
***WE DIDN'T JUST SURVIVE;  
WE THRIVED.***



***RESILIENCE IN ACTION***

This narrative transcends a single project; it encapsulates the essence of Core Energy Systems. Our journey illustrates our capacity to confront adversity, adapt, and innovate. Our solutions not only enhanced a vital piece of the nation's energy infrastructure but also solidified our position as leaders in nuclear engineering.

Core's experience with this landmark nuclear project reaffirms that resilience is not merely a word—it is the embodiment of our commitment to excellence. When faced with challenges, we didn't retreat; we advanced, emerging stronger and more resolute in our mission to lead in the energy sector. Together, we are not just building a company; we are forging a legacy.





# Values That Build

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## A Journey from Service to CORE

I am truly honored to join CORE Energy Systems Ltd, an organization whose mission and values align so deeply with the principles I've lived by throughout my career in the Indian Navy—integrity, duty, and discipline. These are not just guiding lights in my personal life; they are the very foundation upon which great organizations are built. They shape us as individuals and, in turn, define the path to collective success.

In the military, values are not abstract ideas—they are a way of life. The responsibility of duty, the discipline to act with precision, and the integrity to always do what is right, regardless of the challenge, were ingrained in me during my years of service. These qualities are just as critical in the corporate world. At CORE, I see these principles in action every day, reflected in the company's unwavering commitment to professionalism, ethical conduct, and delivering results that matter.

What excites me most about joining CORE is its role in delivering indigenized solutions, as a proud "Make in India" organization committed to strengthening our nation's defense sector. This mission resonates deeply with my sense of purpose.

CORE's focus on developing products within our country and extending these homegrown innovations to defense strengthens our autonomy and capability, contributing to the larger vision of a self-reliant India. It's not just about providing solutions; it's about crafting a future where our defense systems are bolstered by the ingenuity and talent from within our borders.

For the younger generation at CORE, I want to emphasize this: the values you hold within yourself are what ultimately shape the organization around you.

When you act with integrity, you build trust. When you approach your work with discipline, you achieve mastery. When you understand your duty—to your team, to your work, to your nation—you contribute to something far greater than individual success. These are the qualities that will not only help you grow but will drive the entire organization forward.



Leadership isn't just about making decisions; it's about cultivating a culture where values are actively lived and embraced every day.

During my time in the Navy, I learned that true leadership is about creating an environment where others can thrive, and where everyone feels empowered to bring their best to the table. At CORE, I am committed to bringing that same approach, encouraging teamwork, collaboration, and an unwavering commitment to excellence.

As we scale new heights at CORE, I believe it's essential for each of us to look inward and reflect on how our values contribute to the larger goals of the organization. The synergy between your growth and the growth of the company is undeniable. When you bring integrity, discipline, and a sense of duty into your work, you not only elevate your performance but also strengthen the foundations upon which CORE will continue to build its legacy.

The future belongs to those who embody these values—who understand that success, whether in service to the nation or the corporate world, comes from within. It is this mindset that will carry CORE to new horizons, and I am excited to contribute to this journey alongside each of you.



Cdr. Rashmi Shergill  
**Manager-Business  
Development (Defence)**



# The Thumb That Saved a Life: A Tale of Hidden Blessings



Reflecting on my life's journey and success, the guiding force that stands out is my mother. Though she came from a traditional, orthodox background, where women were largely confined to the home, she rose beyond those constraints through sheer intelligence and perseverance. She was not just my mother but my friend, philosopher, and guide. Her stories, shared with wisdom and love, have been the foundation of my achievements. One story, in particular, continues to inspire me.

There was once a king who had a wise minister known for his unwavering optimism. No matter the situation, the minister believed that everything happened for a reason and for the best. One day, while hunting, the king lost his thumb in a tiger attack. As he writhed in pain, the minister consoled him, saying, "Everything happens for good." Angry and hurt, the king ordered the minister to be jailed.

Months later, while hunting again, the king got lost in the forest and was captured by a tribe that planned to offer him as a sacrifice. However, they released him upon discovering he was missing a thumb, as only a perfect body could be sacrificed. The king, realizing the truth of his minister's words, returned home and freed him. The minister, still calm and positive, explained, "If you hadn't lost your thumb, you would have been sacrificed; and had you not jailed me, I would have been with you and become the sacrifice instead." This simple tale holds a profound lesson.



P Padmanabhan  
Associate Director - Design & Engineering

The journey may have setbacks and moments of doubt but remember—every obstacle is an opportunity to learn and grow. Just like the king in the story, who faced a great loss only to realize it was a blessing in disguise, we, too, must trust the process and stay resilient, even when times are tough.

In your careers and life, embrace the struggles, keep a positive mindset, and never lose sight of your goals.

With determination and persistence, the rewards will come.

**Life is full of challenges, and setbacks are inevitable. However, staying positive and trusting that each event has a purpose can guide us to success.**

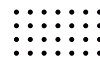
This mindset, instilled in me by my mother through stories like this, has been the secret to my success in both my career and life.

Let this story serve as a powerful reminder to all the young talents at Core: success doesn't come instantly or easily. It is not handed to us on a silver platter, nor is it achieved without facing challenges along the way. Success is built on a foundation of hard work, perseverance, and unwavering dedication.

Success isn't a sprint; it's a marathon—one that requires patience, belief, and consistent effort.



# Crafting Success with People Power and Precision



From an early age I was drawn to both engineering and the intricacies of human interaction. While I faced challenges in subjects like math and science, particularly chemistry and physics, my curiosity about how things work never waned. I loved taking apart small toys, motorbikes and cars to explore their inner mechanisms by spending time with mechanics. This hands-on exploration satisfied my inquisitive nature and kept my inner child alive.

At the same time, I became fascinated with the human body, its functions and the vital parts that make it strong and effective. This curiosity led me to martial arts, where I not only learned to be mentally and physically tough but also developed a nurturing side, caring for teammates when they were injured after the combat session or vigorous practice drills.

During school and college vacations, I often visited my father's factory, observing the production units and understanding the interplay between machinery and the people who operated them. I admired my father's participative leadership style and effective communication with his staff, which deepened my interest in human psychology and interaction.

Despite my challenges in math and science, I chose to study commerce in college, eventually earning a master's in HR in the late 1990s. This decision gave me a fresh perspective on my career. At the Tata Group, I cultivated my people skills and explored various aspects of personnel management. My passion for martial arts continued, and I integrated my love for engineering & disciplined approach of martial arts into my HR practices, learning to navigate crucial conversations, driving intervention and foster collaborative decision-making. As a corporate professional, I understand the challenges of maintaining a healthy work-life balance.

For me, martial arts training and imparting training to others has been a transformative way to manage stress and enhance focus, both personally and professionally. The discipline, strength, focused approach and confidence I've gained through this practice have positively impacted my overall well-being and productivity at work. I encourage others to explore activities like martial arts as part of their journey toward a balanced and fulfilling lifestyle.

Today, my appreciation for engineering and respect for engineers are stronger than ever. I cherish those early experiences that shaped my journey.



Mohan Singh

**Executive Director Corporate Strategy & People Management**

In the later stages of my career, I've had the privilege of working with organizations like Shapoorji Pallonji and now the CORE Group, where I thrive in an environment rich with innovation and engineering excellence. I am passionate about driving initiatives that promote employee engagement, development, and career progression, touching both the minds and hearts of our people.

**At CORE Group, we are dedicated to creating a workplace that champions employee centricity through accountability and ownership.**

By prioritizing these values, we enhance employee engagement and drive sustainable growth and success. As we continue to evolve, we remain committed to fostering an environment where every employee feels valued, empowered, and ready to contribute to our shared vision.

By embracing these principles, we aim to build a thriving organizational culture that attracts top talent and cultivates the leaders of tomorrow. Together we can achieve remarkable growth and create a workplace where everyone can thrive.

# Clockwork of Excellence



Dear COREites,

As we continue to strive for excellence, I want to share some insights that have been pivotal in my own career. Concentration, dedication, and determination are not just words; they are the pillars that will support you as you climb the ladder of growth and success.

I joined CORE on October 14th, 2019, as a Customer Relations Executive. Like many of you, I started at the front lines, greeting visitors with warmth and professionalism. But I quickly realized that true excellence lies in the unseen details, the intricate machinery that keeps our organization running smoothly.

Our leaders taught me an invaluable lesson: every element, no matter how small, contributes to our success. This became my guiding principle. Whether it was ensuring our pantry was well-stocked for those intense strategy sessions or coordinating complex travel arrangements, I approached each task with the same level of dedication and precision.

Challenges, of course, are part of our growth. In the world of corporate travel and event planning, last-minute changes are inevitable. I've learned to navigate the complexities of sudden flight cancellations, unexpected hotel booking changes, and eleventh-hour schedule adjustments. These moments, while stressful, have taught us the importance of agility and resourcefulness. They've shown us how a single alteration can ripple through our carefully laid plans, requiring us to recalibrate swiftly and efficiently.

Communication, I learned, is the secret ingredient that binds our clockwork together. Whether negotiating with vendors or adapting to rapidly changing travel plans, clear and effective communication has been key to our success.

Receiving the "Excellence in Visitor Management" award was a proud moment, not just for me, but for our entire team. It was a testament to our collective commitment to excellence.

Now, as Assistant Admin Manager, I continue to be inspired by the dedication and talent surrounding me. Every day presents new opportunities to refine our processes, to make our clockwork even more precise.



Sheela Bhagat  
Assistant Manager - Admin

To my fellow COREites, remember:

**We are all integral parts of this magnificent machine. Our individual efforts, when combined, create something truly extraordinary**

Let's continue to push boundaries, to innovate, and to excel - not because we have to, but because excellence is who we are.

The journey continues, and I'm excited for what the future holds for us at CORE Energy Systems Limited. Together, we will continue to set new standards of excellence in our industry.



# MicroPower Marvels



# 1

**A single nuclear pellet (smaller than your fingernail) contains as much energy as:**

- 17,000 cubic feet of natural gas
- 149 gallons of oil
- 1 ton of coal
- 1,780 pounds of wood

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**Environmental Impact:**

- 12-16 gCO<sub>2</sub>/kWh: Carbon emissions from nuclear power generation
- 820-1,100 gCO<sub>2</sub>/kWh: Comparative CO<sub>2</sub> emissions from fossil fuels for same kWh
- 470,000,000: Tonnes of CO<sub>2</sub> emissions avoided annually thanks to nuclear power
- 1:1,000: One nuclear pellet equals the energy output of 1,000 kg of high-grade coal

# 2

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**Space Exploration:**

- 46+ years: Time Voyager spacecraft have been operational (since 1977)
- 23.3 billion: Kilometers traveled by Voyager 1 (and counting)
- P238: Atomic number of Plutonium used in spacecraft to power radioisotope thermoelectric generators
- 87.7 years: Half-life of Plutonium-238 used in space missions

# 3



## A POWERHOUSE FORGED IN THE HEART OF THE NUCLEAR REACTOR

From humble beginnings to a leading EPC player, CORE's journey is a testament to the vision, resilience, and power of human capital.

### (2004-2010) Igniting Spark with A Vision for Nuclear Energy

In 2004, CORE Energy Systems Limited emerged with a bold vision: to be a driving force in the niche industry segments of nuclear energy, defence, and oil & gas. It wasn't just about filling a market gap; it was about recognizing the immense potential of these segments and contributing to their advancement from a national perspective. At a time of surging energy demands, CORE saw an opportunity to make a real difference, as these segments have a long-term vision for the nation's growth.

The nuclear landscape presented unique challenges – safety, precision, and the need for specialized expertise. CORE tackled these head-on with a unique approach rooted in quality, innovation, and strategic collaborations with leading global engineering bodies. CORE also became the first company to bag and execute contracts for the operation & maintenance of nuclear power plants.

This collaborative spirit allowed CORE to address critical industry issues, paving the way for safer, more efficient, and sustainable nuclear solutions.

### (2011-2015): Expanding Horizons The SKID Package Revolution

CORE's evolution continued with a strategic shift towards comprehensive solutions.



The introduction of SKID package solutions marked a turning point. Recognizing the diverse manufacturing and testing requirements of various equipment systems, CORE leveraged the OEM premises, undertaking system integration within their facilities as every equipment has its own set of manufacturing prerequisites and testing requirements.

This innovative approach streamlined complex engineering challenges, delivering complete and efficient solutions to clients.

## (2016-2020): Diversification and Resilience Navigating the Nuclear Slump

The period between 2016 and 2020 brought a decline in new build nuclear projects. However, CORE's leadership demonstrated foresight and resilience by diversifying into the infrastructure, oil & gas, and defense sectors. This strategic move, coupled with CORE's natural pre-qualification in handling complex projects, resulted in CORE securing large-value electrical distribution projects, which ensured its continued growth and stability.

## (2020-Present): The Rise of an EPC Powerhouse

Building on years of research, learning, and hands-on experience, CORE emerged as a formidable EPC company. The company's ability to tackle complex projects, coupled with its commitment to excellence, positioned it to take on the full spectrum of EPC responsibilities - from design and construction to plant operation on an outsourced basis. This evolution showcases CORE's adaptability and its

CORE Energy Systems Ltd. was awarded by NPCIL, the unprecedented challenge of refurbishing the Tarapur Atomic Power Plant (TAPS) Units 1 & 2, India's inaugural nuclear facility. This project involves replacing critical primary recirculation piping impacted by Intergranular Stress Corrosion Cracking (IGSCC). The project pushes engineering limits, requiring work in high-radiation zones, removal and disposal of radioactive piping, and installation of specialized materials in confined spaces. As the first project of its kind globally, it highlights CORE's role in restoring a historic facility while setting new standards in nuclear safety and innovation.

CORE is also building the Away from Reactor Facility for Spent Nuclear Fuel (SNF) storage at Kudankulam Nuclear Power Plants 3 & 4. This project entails several challenges with heavy fabricated items, complex instrumentation systems, and stringent technical specifications for various systems such as utilities, HVAC, ion exchange, etc.

SNF- Spent fuel storage is a complex and critical aspect of nuclear energy management, requiring meticulous handling and containment of used nuclear fuel that remains highly radioactive. This process involves initial cooling in specially designed pools, followed by transfer to secure dry cask storage systems that are robust against environmental and man-made hazards. Governed by stringent safety regulations, spent fuel storage not only ensures public and environmental safety but also supports the sustainable operation of nuclear plants by enabling long-term waste management and potential fuel recycling options.

## A Legacy of Innovation and Human Capital

CORE's journey is a testament to the power of persistence, fueled by client trust and a relentless pursuit of excellence. It's a story of continuous learning, adaptation, and a deep commitment to shaping the future of energy. But more than that, it's a story of the people - the dedicated employees and visionary leaders whose unwavering commitment has built CORE into the thriving powerhouse it is today. Their dedication, trust, and never-give-up attitude are the true core of CORE's success.



As CORE continues to push the boundaries of what's possible in nuclear energy, its vision remains clear: to be the pioneers, the trailblazers, and the trusted partners in transforming the energy landscape. One innovative solution at a time, CORE



2016-2020

EPC Project/ Equipment

- Helium Liquid Ring Compressor  
Reactor Liquid Zone Control System
- Compressed Air Plant  
Additional Spent Fuel Storage Facility
- CO2 Compressor Package  
CO2 Pressurized Storage
- Compressed Air Network  
Instrument air and Utility air for Station equipment
- Compressed Air Package  
Fertilizer and Chemical production
- Compressed Air Package  
Fertilizer and Chemical production
- Compressed Air Package  
Instrument Air
- Pneumatic Winching & Hoisting Systems  
Material Handling in Explosive environment
- Nitrogen Compressor Package  
Nitrogen boosting

2011-2015

EPC Project/ Equipment/ Services

- Boiler Feed Pumps  
Secondary Coolant Circuit
- Compressed Air Package  
Instrument Air for Nuclear Island
- Design & Engineering Service Contract  
Balance of Turbine Island
- TVS Compressed Air System  
Instrument air and actuation
- ECCS Air Compressor  
Emergency Core Cooling System

2004-2010

EPC Project/ Equipment

- Helium Compressor  
Specialized Testing Facility
- Vertical Turbine Pumps  
BARC Tarapur Chiller System

TAP'S 1 & 2

Away From Reactor

Revamped Distribution Sector Scheme

OUR 20 YEAR LEGACY

FROM VISION TO NUCLEAR INNOVATION

Showcasing milestone projects from our transformative journey

## Lines of Creativity: Sketching Beyond Work



Growing up, I never imagined that my love for sketching would evolve into something so meaningful. It was a hobby I picked up as a child, just doodling in the corners of notebooks, never thinking much of it. I didn't know then that those simple sketches were the beginnings of a journey that would one day bring life to the faces I draw today.

During the COVID lockdown, when time seemed to stretch endlessly, I revisited this childhood passion. What started as a way to pass the time soon turned into something much more. I began sketching portraits of my friends and family from my village.

I would share these sketches with them, and their reactions were heartwarming—each one was surprised to discover this side of me. What was even more special was seeing how these sketches captured emotions, and somehow, each drawing felt like it wanted to speak.

Being a part of the safety division at Core Energy, I've always been immersed in the technical and precise side of work. Sketching allows me to tap into something deeper, something creative and personal.

It's this balance between precision and creativity that I feel defines who I am—both as a professional and as an artist.



Ramchandra Mane  
Assistant Manager-HSEQ

# Desi Dreams Powered by Core Energy

Namaste, CORE Parivar!

Aditya here, ready to spill the chai on my desi dream come true!

A small-town boy, surrounded by fields stretching far and wide. That was me, studying in a Sarkari school where we had more dreams than desks. As a Kisan's beta, money was tighter than a small kurta on Bhai. But let me tell you, my engineering Sapna? It was burning brighter than the Diya's on Diwali night!

Scoring second rank in 12th; Maza aa gaya! But then came the big question - college fees. Baap re baap, it felt like climbing Mount Everest in chappals!

There when, my fairy godparents appeared - Swadesh Foundation and Course-5i! They showered support like a monsoon of opportunities. Through it all, my parents and college HOD were my real-life Bollywood heroes. Their support was stronger than Mom's Adrak chai. Their lessons? More valuable than gold - you know, future-proof!

Fast forward to today, and guess what? This village boy is now strutting his stuff at Core Energy Systems Limited!

We're not just any company; we're the Bhartiya dynamos of the nuclear sector. Make in India? More like Make it Awesome in India!

From dreaming under the stars to reaching for them at Core Energy, my journey's been more exciting than a cricket match final over. It just goes to show - with a little support, a lot of mehnat, and a sprinkle of destiny, even the wildest sapne can come true.



So here I am, proudly waving the Core Energy flag, proving that you can take the boy out of the village, but you can't take the village out of the boy. And let me tell you, my parents? They're beaming brighter than a thousand-watt bulb!



Aditya Bhoir  
**Graduate Engineer Trainee.**

To all my fellow Core Energy rockstars, remember - whether you're from a gaon or a sheher, your dreams are valid. Keep hustling, keep shining, and who knows? You might just end up electrifying the nation like us!



Chalo, back to powering India's future. After all,

**At CORE, we don't just light up homes; we light up hopes**

Jai Hind!

# LIFE AT CORE



## PEOPLE ARE OUR GREATEST ASSET

BY SAURABHI PATHAK

At CORE, our people are more than employees; they are the heart of our journey. Their courage, commitment, and shared belief in our vision have propelled us from a visionary startup to an EPC leader. Each individual's contribution has shaped our story, and their unwavering spirit is the true core of CORE's success. They are CORE.

LIFE AT  
CORE

MEET AND GREET



# Growing Together Through Engagement & Collaboration

CORE Energy Systems Limited is committed to empowering its people through initiatives that foster growth, connectivity, and well-being. Under the Life at CORE initiative, we've introduced programs designed to strengthen our organization and enhance employee development.

## Integrating New Team Members with Purpose and Support

### Meet & Greet Sessions

#### Objective of Meet & Greet:

- **WELCOMING AND INTEGRATING NEW TALENT**  
Every new COREite is warmly welcomed to help them feel connected from day one.
- **UNDERSTANDING INITIAL EXPERIENCES**  
Gathering feedback from new employees to continually improve the onboarding experience.
- **ENCOURAGING OPEN COMMUNICATION**  
A safe platform where new employees can voice any questions or concerns.
- **BUILDING A SUPPORTIVE CULTURE**  
Strengthening inclusivity and fostering a supportive environment that encourages growth.

**why??**

**It's Important**

Meet & Greet sessions ease the transition for new employees, help build initial connections, and establish CORE's commitment to an inclusive workplace from the start.

# CORE Energy Shines at SafeTech 2024 wins Fire Safety Excellence Award

In a major achievement for the company, CORE Energy Systems Limited has been awarded the highly coveted Excellence in Fire Safety award at the SafeTech Awards and Conference 2024. The recognition was given in the Major Hazard Industry category, solidifying CORE Energy's reputation as a leader in safety and engineering innovation within high-risk industries.

The award highlights CORE Energy's commitment to setting the highest standards in fire safety, a cornerstone of its operations in strategic sectors such as nuclear energy, oil and gas, and defense. This accolade is more than a testament to the company's expertise—it showcases its consistent ability to design and implement fire safety solutions that safeguard lives, assets, and the environment.

## A Record of Safety Excellence

CORE Energy Systems has long placed safety at the heart of its operations, and this award joins a series of recognitions that reflect the company's industry-leading practices.



The Taj Mahal Palace, Mumbai

From engineered systems to cutting-edge technologies, CORE Energy has made a name for itself by adhering to the strictest safety standards.

Its tailored solutions meet the unique challenges posed by high-risk environments, ensuring the protection of critical infrastructure, operational continuity, and environmental security. This focus on safety extends across all of CORE Energy's projects, reinforcing its leadership in delivering comprehensive safety measures.

## Teamwork and Innovation at the Core

The success of CORE Energy is rooted in the collaborative efforts of its team, clients, and partners. According to the company, the Excellence in Fire Safety award is a reflection of their shared dedication to pushing the boundaries of safety innovation. "This award is a true reflection of our team's hard work and the trust of our clients and partners," said a company spokesperson. "Their collaboration and commitment drive us to constantly evolve and meet the most stringent industry standards."

This latest recognition serves as a powerful motivator for CORE Energy to continue advancing fire safety protocols.

The company plans to push forward with new innovations that will keep CORE at the forefront of safety standards.



### Key Highlights:

- **Award Name:** SafeTech Awards and Conference
- **Category:** Major Hazard Industry
- **Title:** Excellence in Fire Safety

**INSAC 2024 Special Edition**

Regulatory Framework for Nuclear Renaissance

As a Platinum Sponsor at **INSAC 2024**, **CORE Energy Systems** demonstrated its evolution as an integrated EPC solutions provider. Our portfolio of complex engineering projects, strengthened by strategic technology partnerships and indigenous manufacturing capabilities for nuclear and defence sectors, showcased our preparedness for future challenges.



DAE Convention Centre, Mumbai | November 19-21, 2024

**Event Highlights**



**Ribbon-cutting ceremony by the eminent leaders of India's nuclear fraternity:** Sh. B.C. Pathak, Distinguished Scientist, CMD, NPCIL, and Sh. Vivek Bhasin, Director, BARC, Member, Atomic Energy Commission



**Inaugurating a New Era:** The CORE Pavilion at the DAE Convention Centre, BARC, was formally inaugurated by Sh. B.C. Pathak, CMD, NPCIL, and Sh. Vivek Bhasin, Director, BARC & other eminent leaders of India's Nuclear fraternity



**A moment of pride:** Felicitation of Sh. D. K Shukla, Chairman, AERB, Sh. B. C. Pathak, Distinguished Scientist, CMD, NPCIL and Sh. Vivek Bhasin, Director, BARC, Member, Atomic Energy Commission

# Fuelling Innovation in Nuclear, Defence & Aerospace



(L to R). Sh. K. U. Agrawal, Jt. Secretary INS, Sh. A. P. Garg, Director, DRA & ER AERB, Sh. B. C. Pathak, CMD NPCIL, Sh. S. B. Chafle, Exe. Director, AERB, Sh. D. K. Shukla, Chairman, AERB, Sh. Vivek Bhasin, Director, BARC, Dr. B. N. Jagatap, President INS, Dr. Suresh Gangotra, Distinguished Scientist, Member EC-INS, Sh. R. R. S. Yadav, Former Group Director, (LWR) BARC and Sh. S. B. Dharmadhikari, Jt Treasurer, INS

## Technical Discussion with Eminent Leaders of Nuclear Scientific Community



Mr. Praveen Rao, Member EC, INS



Mr. Vijay Prakash, AD Technical (LWR) NPCIL



Sh. S. D. Paraswar, ED Operation (PHWR), NPCIL



Felicitation of Mr. Anzar Mustafa, AD Pumps (PHWR), NPCIL

## Strategic Capabilities

### ► Technical Engagement

- Discussions on Advanced Nuclear Solutions
- Strategic Defence Upcoming Technologies
- Manufacturing Capabilities within the Country
- Indigenous Development Programs
- Technology Integration Achievements

### ► Project Execution

- Turnkey Solutions
- Indigenous Technology Development
- Quality Management Systems
- Project Lifecycle Management
- Advanced Engineering Design
- Multi-location Execution

## Make in India Initiative



### ► Manufacturing Excellence

- State-of-the-art Dombivali Manufacturing Center
- Specialized Nuclear Solutions & Packages
- Defence Innovation Hub
- Local Supply Chain Development
- Technology Absorption

### ► Collaborative Approach

- Technology Integration
- Knowledge Management
- Supply Chain Excellence
- Sustainable Solutions
- Long-term Partnerships



#### The Faces Behind the Success

A proud moment capturing the dedication and teamwork of the CORE family and contributors at the INSAC 2024 event

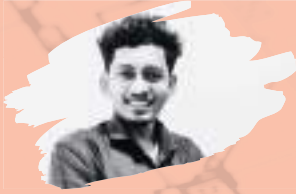
## Future Vision

CORE Energy Systems remain committed to:

- Advancing Indigenous Nuclear Technology
- Enhancing Defence Manufacturing
- Maintaining Quality Excellence
- Supporting Strategic Self-reliance
- Driving Technological Innovation
- Strengthening Technical Collaborations

*"Our dedication to excellence and proven delivery capabilities establish us as a trusted partner for complex engineered solutions in strategic sectors for the Nation"*

# NEW TALENT Spotlight



Vinay Bamnolkar



Shivam Waghmare



Samruddhi Wasekar



Aditya Bhoir



Samidha Chandorkar



Rameshwar Sirsat



Sunny Merukar



Ajay Chavan



Bhushan Gharat



Chetan Golhe



Darshan Panchal



Nitika Kumari



Shubham Kawade



Sadhana Palav



Sureshbabu V



Sunny Asmaniwala



Shital Karpe



Akshay Junghare



Kaustub Joshii



Vidhi Dhok



Rupali Jadhav



Rohit Papanwar



Yogesh Ughade



Tabish Zaman

NEW TALENT  
*Spotlight*



Jacob Manu



Vijaydatta Patil



Ajay Phalke



Aniket Kumkar



Mathana Bharat



Sandeep Revekar



Anuj Parmar



Devendra Kumar



Rajesh Angal



Mohan Singh



Cdr. Rashmi Shergill



Debarshi Naha



Bhaskara Reddy



Arindam Banerjee



MANUFACTURING UNIT-1  
NUCLEAR  
&  
DEFENCE  
TECHNOLOGIES

Precision First, Quality Always



**20**  
Years of  
Excellence



**2.8+**  
Million Man Hours of  
Experience for EPC



**21+**  
Million Man Hours of  
Experience for O&M



**1000+**  
Manpower Across  
India



**20+**  
International Technology  
Partnerships



**20+**  
Awards  
of Recognition



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