



Siddharth Pamnoor

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Summary

Results-driven energy sector professional with experience in managing critical Installations and \$27M+ capital projects. Experienced in full-cycle asset management, stakeholder management, structured problem-solving, and cross-functional teams leadership. Delivered \$11M+ in impact through production optimization and high-stakes crisis response.

Professional Experience

Executive Engineer (Production) | Oil and Natural Gas Corporation | Ahmedabad

(Sep2018-Apr 2026)

Production In-Charge, Ahmedabad GGS (Ahmedabad Asset) | May 2025 – Apr 2026

- Optimized daily crude oil and gas production across a portfolio of ~250 wells at Ahmedabad GGS, one of highest producing asset in the region, ensuring peak asset utilization and supply-chain continuity.
- Spearheaded onsite execution of high value plant modernization contracts, including the capacity upgradation of plant pumping and water injection systems to sustain long-term reservoir pressure and production throughput.
- End-to-end management of the core Booster Compressor Plant, orchestrating the processing and high-pressure injection of gas to the Nawagam fields to maximize secondary recovery efficiency.
- Managed complex resource allocation and logistical scheduling for Area-II, balancing mobile production units (MPUs) and high-pressure steam requirements across competing operational sites.
- Ensured 100% operational compliance with stringent environmental, safety, and water resource regulations by managing high-stakes relationships with federal and state regulatory bodies (OISD, DGMS, GPCB, CGWA).
- Co-opted member of MDT to formulate Comprehensive Asset Strategic Document (2025-28), Ahmedabad Asset.

Production In-Charge, Desalter Plant (Ahmedabad Asset) | Sep 2018 – Apr 2025

- Spearheaded a cross-functional team of engineering departments (Mechanical, Electrical, Instrumentation) to guarantee 100% plant machinery availability, successfully meeting strict commercial buyers' agreements (Crude Oil Sales Agreement).
- Commanded real-time parameter optimization protocols in the control room, consistently reducing crude impurities from approx. 20% to less than 0.2% to fulfil a multi-million-dollar supply contract with IOCL Vadodara Refinery.
- Executed procurement and tendering initiatives (via GeM portal), successfully initiating and executing maintenance contracts for underperforming desalter vessels and critical auxiliary system (Blower) for electrical substation to boost asset efficiency.
- End to End executed the \$4.6M replacement of a primary Fire Heater, meticulously managing inventory and scheduling to mitigate a 33% capacity constraint; achieved zero process downtime and fulfilled 100% of supply commitments.
- Led a high-stakes, 60-hour integration window for a new 30,000 m³ floating roof tank; seamlessly managed volatile supply chains and operational inventory with zero process upsets.
- Led on site execution of \$18.2M Fire Fighting System infrastructure overhaul, replacing critical Remote Operated Shut-off Valves (ROSoVs) across 6 tanks and building a new 8,400 m³ emergency system with zero impact on daily operations.
- Managed the execution of a \$2.6M Oily Water Sewerage system redevelopment and an \$0.8M, 45,000 sqm PCC Dyke safety installation, ensuring stringent environmental and regulatory compliance across the asset.
- Led a 100-member team to repair a critical pipeline failure within 60 hours, averting a complete production halt across North Gujarat and safeguarding asset output valued at \$6M USD.
- Executed a critical procurement case for weathered oil processing that monetized approximately \$0.3M USD in previously stranded inventory.
- Conceptualized and executed a recovery plan for long-pending weathered crude oil stored in a 30,000 m³ tank, recovering crude valued at \$5M USD and restoring liquid handling capacity by 30,000 m³.
- Commanded emergency cross-functional operations during a catastrophic server and PLC automation crash that completely halted processing; successfully sustained continuous downstream delivery via tactical inventory shifting and restored the complex system in under 55 hours.

Officer (Process) | Gujarat State Petroleum Corporation | Kakinada

Oct 2015 – Sep 2018

- Commanded Shift Operations for a strategically critical 200 MMSCFD onshore gas terminal (KG Asset); achieved zero production losses and a flawless safety record across complex processing facilities (GSU, GDU, DPDU, CSU, Air/N₂ Unit, RWTP, STP, FWPH, CT and Custody Transfer) by enforcing rigorous operational frameworks.
- Guaranteed 100% uninterrupted supply of sale gas and stabilized condensate, consistently meeting stringent quality benchmarks to safeguard downstream national energy pipelines.
- Led rapid-response troubleshooting during high-stakes process disruptions; deployed root-cause diagnostics to mitigate operational bottlenecks and restore steady-state production, minimizing costly downtime.

- Orchestrated predictive maintenance strategies and led capability-building initiatives, mentoring and upskilling incoming field operators and incoming graduate engineers.

Education

B.Tech (Petroleum Engineering) – Pandit Deendayal Petroleum University, Gandhinagar | India

2011-2015

Accomplishments and Awards

- Consistently achieved top-tier performance ratings, including the highest evaluation within my peer grade (Ahmedabad Asset) for 2024-25.
- Nominated for the Asset Monetization Award (2025) and Operational Excellence Award (2024) at ONGC.
- Proposed an AI integration initiative selected among the top category ideas for implementation in ONGC’s internal AI contest, UBHAV (2025).
- Adjudged 3rd Best Paper for “Acoustic-Wave Actuated Redaction of Displacing Fluid Droplet for Improving Oil Recovery” at the Third International Conference on Petroleum Science & Technology, IIT Madras (2014).
- Secured 1st position in the Paper Contest at UPES Dehradun Tech Fest for “Game-Changing Options: A Study Focused on Drilling with Casing and Technology-Coupling Solutions” (2014).
- Presented research on enhanced oil recovery through acoustic-wave droplet manipulation at RSEEB-2014, Dubai (organized by Australian SCIE); published in the Australian Journal of Engineering Research (ISSN: 2203-9457).

License & Certifications

“Project Management Essentials” by IIM-MUMBAI.

2025

Co/Extra-curricular

- Authored “Echoes of the Felt | Fragments of Time, Memory, and the Infinite Unknown”, a collection of poems published by Libresco Feeds Pvt Ltd (ISBN: 9370923047, 2025).
- Cleared Elementary education in classical music. Play Piano and Guitar at foundational proficiency.