



Company Profile

We are an exciting, revolutionary deep tech start-up with a vision to transform the textile industry by developing better products using sustainable processes. Our vision is to eliminate water usage and waste from textile processing, while creating next generation smart and functional garments.

Soliyarn develops two distinctive coatings, conductive and hydrophobic. Conductive Textiles: Traditional smart textile/garments use metallic wires or carbon prints to achieve conductivity in fabric. As these components are externally attached or integrated into the fabric structure, it renders the resulting garment bulky, inflexible, and prone to wear and tear. Invented at UMass, Amherst, our patented and scalable vapor deposition application converts widely available commodity fabric into active joules heater by depositing layers of conductive coating without altering the feel or form of the fabric. "Your clothes need to feel comfortable before they are smart" is our goal in transforming the smart garment industry. Hydrophobic Textiles: PFCs (Per and poly-fluorinated compounds) have traditionally been used in achieving waterproof clothing. However, these compounds are dangerous for all living organisms and their continued use is destroying our planet. A sustainable solution is long due and Soliyarn is on a mission to eliminate these compounds from textiles without compromising the performance.

Position Summary

We are looking for a Project Management Industrial Engineer with an engineering background (Chemical, Industrial Engineer, Process Engineer) and with a strong project management background, preferable PMP certified. Has experience in building big equipment for industrial coatings like chemical vapor deposition in plastics, metal or textile industries. Salary is negotiable.

What You'll Do

- Lead the roll-to-roll development of proprietary textile coating chambers in design, build, fabrication, implementation and optimization.
- Lead project installation, commissioning and site activities, clarifying potential issues or providing solutions to correct engineering errors.
- Assist in creating proposals for projects through coordination of proposal documents and engineering estimates.
- Evaluate risks and opportunities, strategizes mitigation of the project.
- Ensure that engineering activities comply with required safety regulations and contractual requirements.
- Create long- and short-term plans, including setting targets for milestones and adhering to deadlines.
- Serve as a point of contact for internal technical team, advisors, consultants and vendors to ensure project actions remain in synergy.
- Communicate with executives or the board to keep the project aligned with their goals.
- Perform quality control on the project throughout development to maintain the standards expected.
- Adjust schedules and targets on the project as needs or financing for the project change.

Who You Are

- Should have fairly good experience of Process Engineering Calculations - Like Heat and Mass Transfers.
- Should have good experience in Implementation and Sustenance of IMS (Integrated Management System) of Quality, Environment and Safety
- Should have hands on Pilot batch processing from Installation to Operations.
- Familiarity with vacuum systems, CVD, PVD, ALD processes desired.
- Interested in working in a start-up environment and excited to work in fast paced dynamic landscape. Must be a self-starter and work well in ambiguity.
- Excellent communication skills, strong interpersonal skills, and ability to work with others in a collaborative manner.
- Ability to manage multiple tasks simultaneously and prioritize work activities both independently and in a team environment.
- Bachelor's degree in Chemical, Industrial, Process Engineering or related field is required, Master's and/or PMP certification preferred.
- Independent problem solver, hands-on scientist, highly upbeat, great teammate, and proactive.

Why work at Soliyarn

- Soliyarn values your input. We want you to influence how we innovate upon our processes and engineering solutions.
- Everything we do is a learning experience. Whether it is a win, or a mistake we made, we take every opportunity to improve ourselves and learn from one another.
- We like to get things done. We do not like to waste time with unnecessary tasks or inefficient processes, we make sure everything we do contributes to solving problems proactively.
- You will never get bored working at Soliyarn. Every project is a new challenge that requires creative solutions that will expand your professional tool bag.
- At Soliyarn, we take on challenges outside of our comfort zone. This allows us to expand our capabilities to work in new and exciting pipelines.

We understand it takes a diverse team of highly intelligent, passionate, curious, and creative people to solve the challenges we are working on. We are looking to onboard a determined and excited Senior Engineer/Project Manager that will be part of an early team and be exposed to a culture of fast paced start-up.

Email resume to snandy@soliyarn.com.