Vibin B Joseph  BEng, MSc, DIC  
Chief Executive Officer, BiOZEEN

BiOZEEN enables manufacturing of vaccines by integrating facility engineering with customized process, production and people support. BiOZEEN designed vaccine suites and installations are regulatory compliant and optimized for increased productivity.

**Expertise:**

- **Design and Build Solutions:** Manufacture of process optimized equipment such as bioreactors, bio inactivation systems, filtration systems and other allied equipment.
- **Automation integration services:** Capabilities in plant automation for seamless integration of equipment from multiple vendors.
- **Process engineering services:** Facility design, detailed engineering and simulations and equipment specific productivity increase and yield optimizations.
- **Research and validation services:** Bioprocess research, filter validation studies and regulatory services.
- **Training services:** Real world biopharmaceutical training in the class 10,000 BiOZEEN bio-pilot laboratory.

**Customers:** All BiOZEEN services and installations are in USFDA, EMEA, WHO prequalified or national regulatory body approved facilities. We serve major vaccine manufacturing companies and have installations in 15 countries including India, South Korea, Netherlands, New Zealand, South Africa, Middle East, Malaysia, Cuba, Africa etc.

**Awards**

BiOZEEN is the winner of the Innovation Excellence Award 2014 for the continuous flow Biokill system that achieves 65% energy efficiency. It also won the Rajiv Gandhi Quality Award, the Indian equivalent of the European Quality Award in 2013.

**Infrastructure**

BiOZEEN is located in 8 acre facility that is certified as an in-house R&D facility. All manufacturing and design operations are vertically integrated and executed in this facility. Team of over 170 engineers and biologists work together to deliver services at BiOZEEN.

Class 10,000 bio-pilot laboratory is designed to assist in scale up studies and to deliver training in operational best practices.