



What is Design & Maintenance Innovation?

“Design & Maintenance Innovation is a science of observation of any system through the lens of Chaos Dynamics to find System Imperfections that impede its performance and thereafter eliminate or avoid such imperfections or create new systems through creative thinking so as to ensure superior and/or desired and sustainable system performance to benefit the human society and world at large.”

This subject, created and developed by Dibyendu De, looks at the effects of very small changes and feedbacks within the system that produce ‘imperfections’. Such imperfections induce failures of all sorts and prevent the system to perform at its best. Once identified, these imperfections are then eliminated for good by creating viable micro innovations. The principles of Design & Maintenance Innovations are also used to create new designs, new process, new products, new work processes, new factories, systems and businesses that are robust, reliable, maintainable and sustainable.