

You cannot improve what you cannot measure

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Green manufacturing denotes the use of technology and processes that minimize the generation of waste and emissions which are contributing to environmental degradation. It also indicates measures such as the conservation of water and energy.

Green Manufacturing is IN

The coming decade is expected to be a decade of “Green Manufacturing”. Organizations are planning proactive measures and adopting a holistic approach by having a top-management driven approach, a robust Environment, Health and Safety strategy, a Corporate Social Responsibility policy, a comprehensive Communication and Change Management strategy for key stakeholders and leveraging ERP applications and innovative solutions that are tightly aligned to business and market drivers.

“You cannot improve what you cannot measure”

Emission management and waste management are the two key elements to focus upon in the Green Manufacturing Movement. Emission management involves proper strategy and planning for managing air, water and energy emissions resulting from the manufacturing operations. It also involves up gradation of existing manufacturing processes, control measures and IT application systems which can help to measure and monitor emission.

Similarly, waste management involves a wide range of activities from product design to waste disposal. Here again the whole waste management initiative needs to be supported by proper systems and applications which will help in measuring, monitoring and controlling waste generation and waste disposal.

A global movement on the rise

The Green manufacturing movement is getting an impetus from different stakeholders. From corporate social responsibility to a slew of new regulations worldwide, from regulatory bodies to Non Governmental Organizations and movements like ‘Green Peace’ are all acting seriously to ensure the success of this program. There is a definite shift in the philosophy, acceptance, emphasis and approach taken by businesses.

An integrated approach to green Manufacturing is the need of the hour

An important challenge faced by businesses today, is maintaining compliance to an ever increasing list of regulations in emission and waste management and the availability of an integrated application to measure, monitor and control the emission and waste generation and disposal.

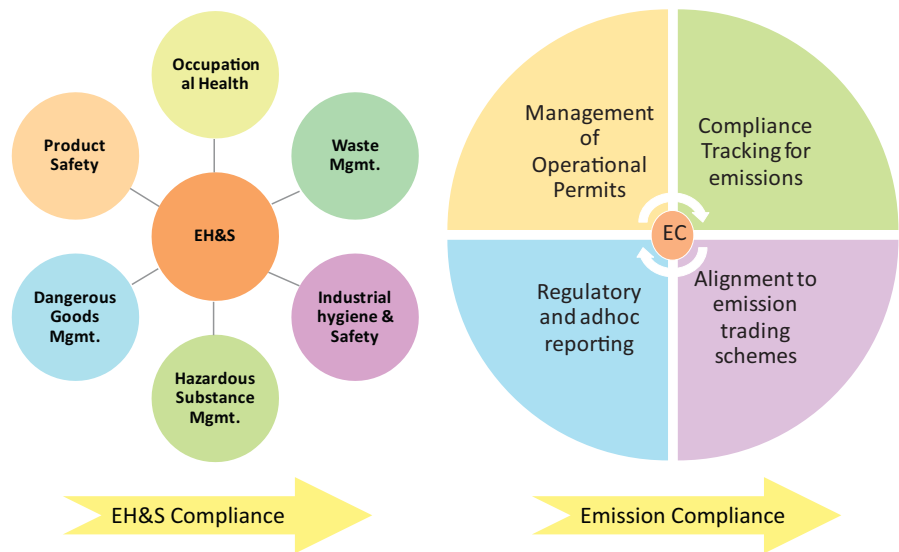
Though there are lot of standalone applications available on emissions and waste management, very few enable integration with other business processes, which is vital for improvement in emission and waste management. These applications also need to be integrated with the overall supply chain.

Point of View

So the need of the hour is for Green initiatives that have the support of sound IT applications which will help companies to assess, measure, monitor and control the parameters relating to environment, emissions wastes, safety and health. Integrated offerings in this area like Environment, Health & Safety application, Emission Management and European Union based REACH compliance, are available from leading ERP vendors.

Finding answers in SAP solution space

SAP solutions like SAP Environment, Health & Safety and SAP Environment Compliance offer the complete portfolio of functionalities to fulfill the compliance need of organizations and also support proactive corporate social responsibility initiatives in the above mentioned areas. These solutions address the product safety, hazardous substance management, industrial hygiene and safety, occupational health, waste management, air and water emission management; Labeling management, in an integrated way with the supply chain and other business functions.



Mahindra Satyam's SAP EH&S and REACH practice with a strong domain expertise and vast SAP experience, coupled with value added knowledge assets, tools and accelerators, ensures that organizations are successful in their Green Manufacturing initiatives and journey.

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