

The Criteria of Environmental Technology

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According to the growing trends of environmental damages caused by industry, the term “environmental technology” has turned to a key term in recent decades. Nevertheless, A clear definition of environmental technology and its criteria is not easy yet, while clear definition makes it possible for manufacturers and engineers to compare and evaluate technologies from environmental perspective. Therefore, this research aims at providing clear categorizations, definitions and criteria for environmental technology. The current research follows a qualitative analysis, using library archives and resources.

According to technology components, Pollution prevention procedures, Effective factors on pollution and production process, Environmental technology in this study is divided into two general categories of software ET and hardware ET. And They are taken place in the hierarchy including environmental management systems as software ET and technology assessment and monitoring, preventive technology, recycling technology, control technology, treatment technology as hardware ET. Finally, criteria of environmental technologies including resource protection, reduction of waste, energy and carbon are presented.

Keywords: Environmental Technology, Prevention Technology, Pollution Control Technology, Treatment Technology, Environmental Assessment Technology.

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