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Engineering Sustainability

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ABSTRACT

If human activity and growth are to continue, sustainability must be everyone's top priority. Due to 1) the pervasiveness of engineering activities in societies, 2) their significance in economic development and the improvement of living standards, and 3) the significant negative impacts that engineering processes and systems have had and continue to have on the environment, engineering sustainability is crucial for any plans for overall sustainability. This article examines a variety of problems that must be studied and addressed in order to attain sustainability in engineering. Examples of what is being done include the use of sustainable engineering approaches, improved engineering process and resource efficiency, and a comprehensive approach to environmental stewardship in engineering activities.