

Harmonious Industrialization: Classifying, Connecting and Valuating Industries Based on Their Contribution to Human Need

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Abstract

An industry can be defined as a system within which homogenous processes strive toward a common generalizable output. An industry comprises various economic, social and environmental activities. Various statistics aims to quantify the size, impact and importance of industry in order to value it accordingly. Yet, various factors have led to industries being misevaluated (both positively and negatively). Upstream industries, such as retail and financial services, are often grossly over valued while essential industries to human existence, such as farming and mining, are under valued. A large part of the problem lies with consumers who can be misled into supporting large corporate behavior that splits the value earn to upstream industries. Exploring this further reveals that although part of the problem lies with procurement, value chain and other processes; the larger part of the problem is a missing link between human needs psyche and industry. This article explores that link more closely and finds that it is a likely product of disharmonious industrialization over decades. A model linking Maslow's hierarchy of needs with industry is built in order to reflect the importance of downstream industries. Moreover, major technological forces impacting these industries for the better are critically discussed.

Keywords

Industry, Classification, Industrial Engineering, Maslow Hierarchy, Human Need

Acknowledgements

I would like to acknowledge the contribution of the Southern African Systems Analysis Centre, the National Research Foundation and the Department of Science and Technology in South Africa as well as the International Institute for Applied System Analysis

Biography

Hasan Darwish is a lecturer and industry coordinator at North West University. Hasan is tasked with marketing related aspects of setting up the new Industrial Engineering department and is responsible for Industry relationships. In the past few years he has completed his BEng Industrial Degree, MEng Project Management (Sustainable Development) and MA Applied Ethics for Professionals. Currently, Hasan is busy completing his PhD in Engineering focusing specifically on the Industrial Engineering Identity. As part of his industry work, Hasan is also developing an innovative model that has the potential impact to resolve youth unemployment through decentralized modular structures. Hasan has operated several initiatives in rural and low income communities since 2013 which assist in developing this model.