

Smart and Intelligent Supply Chains and Logistics for the Future

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Abstract— Transport and logistics do feature a number of important challenges. The classical paradigm, with the former players and their well-delineated roles and decision criteria, does not hold anymore. A number of challenges, both from within and outside the sector, are transforming the context for logistics and transport. Six challenges are dealt with. The first one is the shifting distribution of the world economic power, which shifting demand and transport needs as a consequence. Second comes the environment, where transport is still a strong contributor to global pollution, with a large potential for innovation. Third comes urban concentration, with people living more and more in cities all over the world, imposing different transport and logistics requirements. Fourth, there is the emergence of e-commerce, with customers having different product ordering patterns? Fifth, there is the challenge of technology, with big scale increases that have taken place already, but still a lot more is to come. All that implies that new decision criteria have come of importance. Fortunately, there are a number of opportunities for the transport and logistics sector. At the same time, all this requires a clear strategy from the sector, and support from science and academia.

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