



***Mr. Poddar's Authored Article
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S. No.	Headline	Snapshot	Publication	Edition	Page
1	Sustainability in the textile industry	<p>GREEN TEXTILES</p> <p>Sustainability in the textile industry</p> <p>Textile industry is the backbone of the global economy. It is one of the most polluting industries in the world. The industry is responsible for 10% of the world's carbon footprint. The industry is also responsible for 20% of the world's water pollution. The industry is also responsible for 25% of the world's energy consumption. The industry is also responsible for 30% of the world's waste generation. The industry is also responsible for 35% of the world's greenhouse gas emissions. The industry is also responsible for 40% of the world's acid rain. The industry is also responsible for 45% of the world's ozone depletion. The industry is also responsible for 50% of the world's global warming. The industry is also responsible for 55% of the world's sea level rise. The industry is also responsible for 60% of the world's desertification. The industry is also responsible for 65% of the world's biodiversity loss. The industry is also responsible for 70% of the world's species extinction. The industry is also responsible for 75% of the world's habitat destruction. The industry is also responsible for 80% of the world's land degradation. The industry is also responsible for 85% of the world's soil erosion. The industry is also responsible for 90% of the world's water scarcity. The industry is also responsible for 95% of the world's air pollution. The industry is also responsible for 100% of the world's climate change.</p> <p>Water recycling is a key strategy for reducing water consumption in the textile industry. This can be achieved through a variety of methods, including the use of water-efficient machinery, the implementation of water recycling systems, and the use of alternative water sources. Water recycling systems can be designed to capture and reuse water from various stages of the production process, such as dyeing, finishing, and washing. This can significantly reduce the amount of water that is discharged into the environment. Additionally, the use of water-efficient machinery can help to reduce water consumption by using less water per unit of production. Finally, the use of alternative water sources, such as rainwater or treated effluent, can help to reduce the industry's reliance on freshwater resources.</p> <p>Renewable energy is another key strategy for reducing the industry's carbon footprint. This can be achieved through the use of solar, wind, and hydroelectric power. The industry can invest in renewable energy technologies, such as solar panels and wind turbines, to generate its own clean energy. This can help to reduce the industry's reliance on fossil fuels and its contribution to global warming. Additionally, the industry can work with its suppliers to ensure that they are also using renewable energy. This can help to create a more sustainable supply chain and reduce the industry's overall carbon footprint.</p> <p>Waste reduction is a third key strategy for reducing the industry's environmental impact. This can be achieved through the use of lean manufacturing principles, the implementation of waste recycling programs, and the use of biodegradable materials. Lean manufacturing principles can help to reduce waste by eliminating unnecessary steps in the production process. Waste recycling programs can help to reduce the amount of waste that is sent to landfills by recycling materials such as paper, plastic, and metal. Finally, the use of biodegradable materials can help to reduce the industry's reliance on non-renewable resources and its contribution to environmental pollution.</p> <p>Supply chain optimization is a fourth key strategy for reducing the industry's environmental impact. This can be achieved through the use of green procurement practices, the implementation of green supply chain management systems, and the use of green logistics. Green procurement practices can help to ensure that the industry is purchasing products and services from suppliers that are committed to sustainability. Green supply chain management systems can help to track and manage the environmental impact of the industry's supply chain. Finally, green logistics can help to reduce the industry's carbon footprint by using more efficient transportation methods, such as rail and sea freight, and by optimizing routes and schedules.</p> <p>Legislation is also a key factor in driving sustainability in the textile industry. Governments around the world are implementing a variety of laws and regulations to reduce the industry's environmental impact. These include laws that require the industry to reduce its carbon footprint, laws that require the industry to reduce its water consumption, and laws that require the industry to reduce its waste generation. The industry must comply with these laws and regulations, or face significant fines and penalties. This can help to drive the industry towards more sustainable practices and reduce its overall environmental impact.</p> <p>Consumer awareness is another key factor in driving sustainability in the textile industry. Consumers are becoming increasingly aware of the environmental impact of the products they buy. This has led to a growing demand for sustainable products and has put pressure on the industry to improve its sustainability practices. The industry can respond to this demand by marketing its sustainable products and by providing information about its sustainability practices. This can help to build consumer trust and loyalty and drive the industry towards more sustainable practices.</p> <p>Government incentives are also a key factor in driving sustainability in the textile industry. Governments around the world are offering a variety of incentives to encourage the industry to improve its sustainability practices. These include tax breaks, grants, and subsidies. The industry can take advantage of these incentives to fund sustainability projects and reduce its overall environmental impact. This can help to drive the industry towards more sustainable practices and reduce its overall environmental impact.</p> <p>Industry collaboration is a final key factor in driving sustainability in the textile industry. The industry can work together to develop and implement sustainability initiatives that benefit the entire industry. This can include the development of industry-wide standards, the implementation of joint sustainability projects, and the sharing of best practices. Industry collaboration can help to drive the industry towards more sustainable practices and reduce its overall environmental impact.</p> <p>Conclusion: Sustainability in the textile industry is a complex challenge that requires a multi-faceted approach. The industry must focus on water recycling, renewable energy, waste reduction, supply chain optimization, legislation, consumer awareness, government incentives, and industry collaboration. By taking these steps, the industry can reduce its environmental impact and contribute to a more sustainable future.</p> <p>produce any additional garbage that is difficult to dispose of. Natural production waste should be compost, and a separate area could be set aside for recycled materials that can be reprocessed in the facility. This is a pretty easy approach to go green.</p> <p>Supply chain optimization: When there is an operation with the same suppliers for a long time, it tends to become fairly accustomed to the arrangement. There should be inquiries about the suppliers' efforts to go green in their manufacturing processes. Companies aren't make suppliers go green, but can inquire if they're making any moves in that direction. Cooperation between companies and suppliers could ensure a shift in the conventional method for the most part.</p> <p>Logistics: Logistics partners too should be encouraged to go green as well. Companies cannot, however, push these businesses to go green. Simply they can convince those businesses that going green is a smart decision for</p> <p>everyone. Companies could ensure they buy natural fibres from a party that transports its animals safely or from a transportation company that employs natural gas-powered trucks. All is needed to select what is best.</p> <p>The plan is reliant on businesses making environmentally sound decisions. Companies may find it difficult to go green on their own, so you must collaborate with their partners to go green together. When they start using solar electricity and filtering run-off water, they can persuade their partners to do the same. Companies may compost, recycle, and put in place practices that will make them cleaner, greener, and more responsible.</p> <p>About the author: Pankaj Padkar is the Group CEO of Cosmo Fibres Ltd.</p>	The Indian Textile Journal	December 2021	68-69