

PARADISRUPT 4.0: MANAGING SUPPLY CHAIN 4.0 DISRUPTION SYSTEMS

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Patent
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Product Background

- **PARADISRUPT 4.0** is an alternative solution to assist the decision maker in the company to handle risk of Industry 4.0 disruption.
- **PARADISRUPT 4.0** can assess in early stage of company issues related to as increasing the cost of Industrial 4.0 technology disruption and addressing material resources at the core of global value.
- Therefore, this **PARADISRUPT 4.0** provides additional information to the manufacturing company to curb and overcome its Industry 4.0 readiness problems.

Novelty/ Inventiveness

- To guide the management of manufacturing company to handle Industry 4.0 disruption risk.
- To monitor the level of disruption successfully achieved and further action will be taken.
- To manage supply chain disruptions in the era of Industry 4.0.
- To guidance the manufacturing industry to handle the complexity of global supply chains.

Benefits/Usefulness

- To improve the readiness of Industry 4.0 adoption systems to be used in the Malaysia manufacturing, such as production, distribution, shipping, and management departments.
- To allows the manufacturing industry to improve access by evaluating success adoption parameters of the IR4.0 system.

Status of Innovation

- Prototype

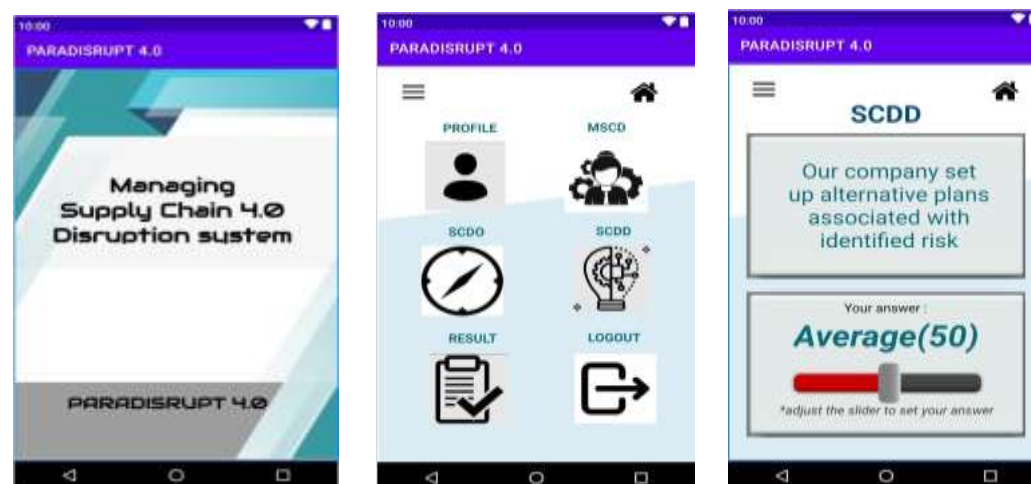
Marketability & Commercialisation

- Manufacturing companies registered under Federation of Malaysian Manufacturers.
- The Megasonic sweeping incorporated is considering this product to be scale up.

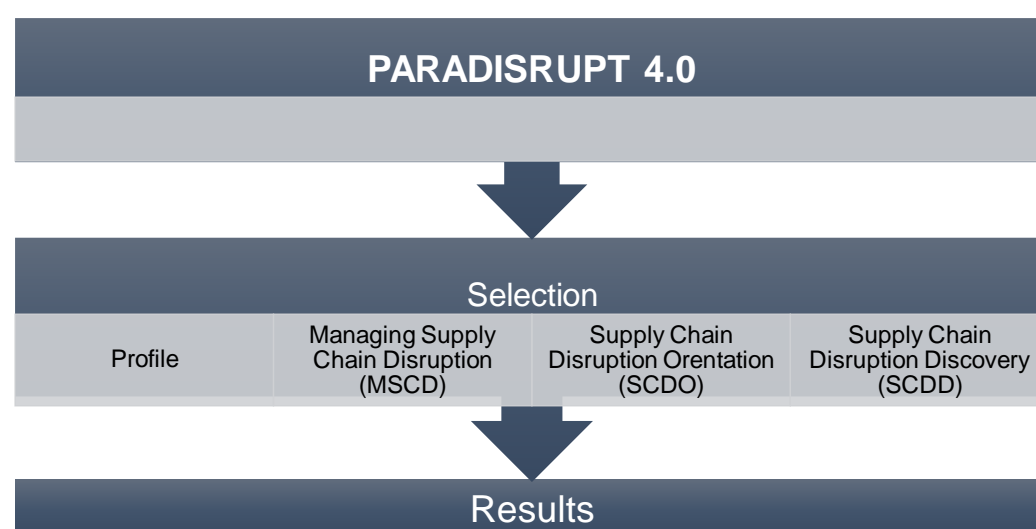
Publication

The blockchain-enabled technology and carbon performance: Insights from early adopters. *Technology in Society*, Elsevier, 64, 101507, 2021 (**Scopus and WoS Impact Factor: 2.414**).

Product Image and Product Characteristics/Results



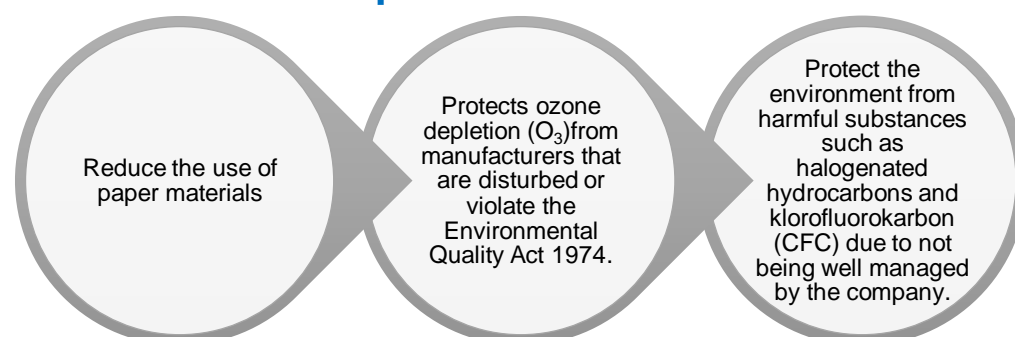
State of the Art/ Methods



Cost Analysis

The prototype of **PARADISRUPT 4.0** application is specially designed for manufacturing industry residents looking for alternative solutions and information. The price of the **PARADISRUPT 4.0** application is about RM 10,000 to build. The cost of maintenance is also included because it involves how long this system operates. This prototype will be launched in May 2021.

Environmental Impact



Collaboration/Industrial Partner

