THE STATE OF FASHION: FUTURE-PROOFING THE INDUSTRY USING ADVANCED MANUFACTURING

WHAT IS FUTURE-PROOFING?

The 2023 McKinsey report identifies that the industry needs to be future-proofed across all sectors from manufacturing to the social needs of the end consumer to account for changing social attitudes and a desire for fashion to be more sustainable, efficient and functional.

Future-proofing is designing with the intent that the result can be used in the future even with technological, social and external change (Cambridge Dictionary, 2023).
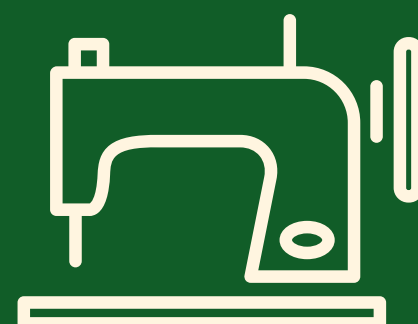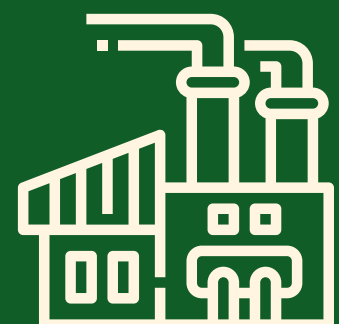
PROBLEM AREAS:

- GARMENT FIT
- OUTDATED SUPPLY CHAIN
- OUTDATED MANUFACTURING PROCESSES

INDIVIDUAL OUTCOMES:

EXPLORING GARMENT FIT RELATING TO TRANSGENDER BODIES

FUTURE-PROOFING THE SMALL FASHION BUSINESS MODEL THROUGH THE USE OF MICROFACTORIES.

INDUSTRY 4.0 - IMPLEMENTING TECHNOLOGY IN PAKISTANI GARMENT FACTORIES

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GARMENT FIT

Literature identified that the current sizing systems are outdated and do not account for changing social attitudes or for the majority of society's garment sizing requirements.

Advanced manufacturing techniques such as 3D body scanning and pattern parameterisation using CAD software like Lectra Modaris are a potential solution to fit issues identified.

OUTDATED SUPPLY CHAIN

The current architecture is described as being outdated, unsustainable and needs to be changed. Smaller scale businesses suffer from the lack of resilience that traditional supply chains offer, especially during the set up phase, due to the expense. Advanced manufacturing and new models offer new opportunities and a competitive advantage in a sustainable market. These approaches could allow small scale businesses to thrive.

OUTDATED MANUFACTURING PROCESSES

In today's production landscape, the demand for cheaper higher-quality garments has lead to many manufacturing countries adopting technology to assist the manufacturing process. This has lead to better efficiency and higher quality whilst driving down costs.

However, Pakistan, is much more hesitant in adopting technology. Resulting in lower completeness in the international market.

The report aims to explore how why Pakistan is hesitant to implement technology and how it can be integrated into current processes.

THESE CONCEPTS ARE EXPLORED FURTHER IN EACH RESPECTIVE INDIVIDUAL REPORT