



Food Security: A New Vision

August 2021

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Scope

Key findings

THE FOOD SECURITY CHALLENGE

Four parameters of food security

Population pressures on both emerging and developed markets

Rising food prices restrict food and nutrition access

Focus on Sub-Saharan Africa: food access is top priority

Limited resources put countries at risk

Effects of climate change escalate urgency for a solution

THE CORONAVIRUS EFFECT

COVID-19 has elevated concerns on pressing issues

High import dependency caused disrupted international food trade ...

...and heightened concerns of food provenance

Lack of alternative raw material sources raises supply chain sensitivity...

...giving importance to innovation, enabling domestic production

Limited supply chain routes make companies vulnerable...

...as exposed by the Suez Canal blocked by a vessel grounding

Synergy between stakeholders is an ongoing effort...

...that can lead to solutions and development from start-ups

RECONSTRUCTING A SECURE FOOD ECOSYSTEM

Tying strategies to all aspects of the food ecosystem is essential

International players consider localisation key to sustainable supply

Saudi government seeks to curb reliance on meat imports

Diversifying sources is a priority for both companies and markets

Efforts made to diversify ingredients used in local, staple food

Ethical certifications and programmes to promote sustainable food

Sustainably-sourced packaged food will be led by organic labels

DIGITAL TRANSFORMATION THE WAY FORWARD

Glimpse of key technology shaping future of food ecosystem

Efficient production: smart indoor gardening for consumers

Agri-tech: hydroponic farms improve UAE's food security ranking

Traceability: OneAgrix - a B2B platform to manage food surplus

Key developments across all parameters for a secure food ecosystem

APPENDIX

Appendix

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