Being MIR Conscious
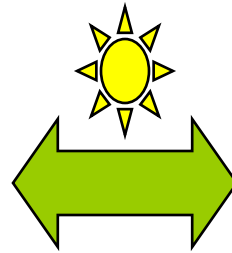

Incorporating the Management Index Regulation (MIR) standard

MIR Conscious Businesses or Business entities

Being MIR Conscious

Take the NEXT Step

- Our ability to fight climate change and resource depletion will decide the tomorrow for everyone. This problem is more significant in businesses today.

- In the connected world we have identities & accounts, and access privileges tied to these accounts, but we do not have what is called Green Identity Management, which can ensure that as people or businesses we are doing our part to develop a more sustainable manufacturing, business or services environment, also fight climate change and other deterrents that are going to impact the future generations.

Being MIR Conscious

- This ideation proposes that we can integrate MIR focus into businesses and business entities to make them "**sense & respond enterprises**". This Green MIR Identify can help enterprises incorporate consciousness while using institutional, business, lifecycle related and community services. This consciousness can help enterprises demonstrate awareness, sensitization, and adherence to practices that achieve ASSET(s) protection, savings for green thinking and **sustainable functioning**.

- Enterprises may have business credibility ratings being certified or accredited, but there is no concept of a sense & respond pro-activeness and savings that can save the environment.

Being MIR Conscious

- The need to incorporate Green MIR Identity management is seen due to the fact that current practices for green thinking are either policy based and/or with an self-influenced ownership onus that makes people adhere to them. We do not have a **Sustainability Management theory** called the Conscious Leaf that can ensure governing bodies, councils, organizations, institutions and other businesses help independent enterprises sense & respond to economic policy related reforms (like demand/supply dynamics, GST, demonetization), fight climate change and lack of eco-friendly involvement.

- The Conscious Leaf theory can ensure that enterprises demonstrate (**Green MIR Identity Criteria**) conformant and well-planned utilization of infrastructure, manufacturing & supply networks, the Internet / Internet of t**hings/ data/ services/people** , SMART Factory elements, polluters like raw inputs for making products, plastics, petrol etc, even paper, electricity, water, waste segregation & disposal and even the food chain.

- The reason behind associating this theory with the nature of products and factory or manufacturing operations is that most organizations, institutions and businesses have dedicated teams & resources that can achieve satisfactory services and also improve any quest for value like the **Green MIR Identity Criteria** being ideated in this proposal.

The SMART World

EXPORT PROMOTION
A Decision Support Model Approach

Global Focus

Smart Mobility

Smart Buildings

Smart Logistics

Smart Homes
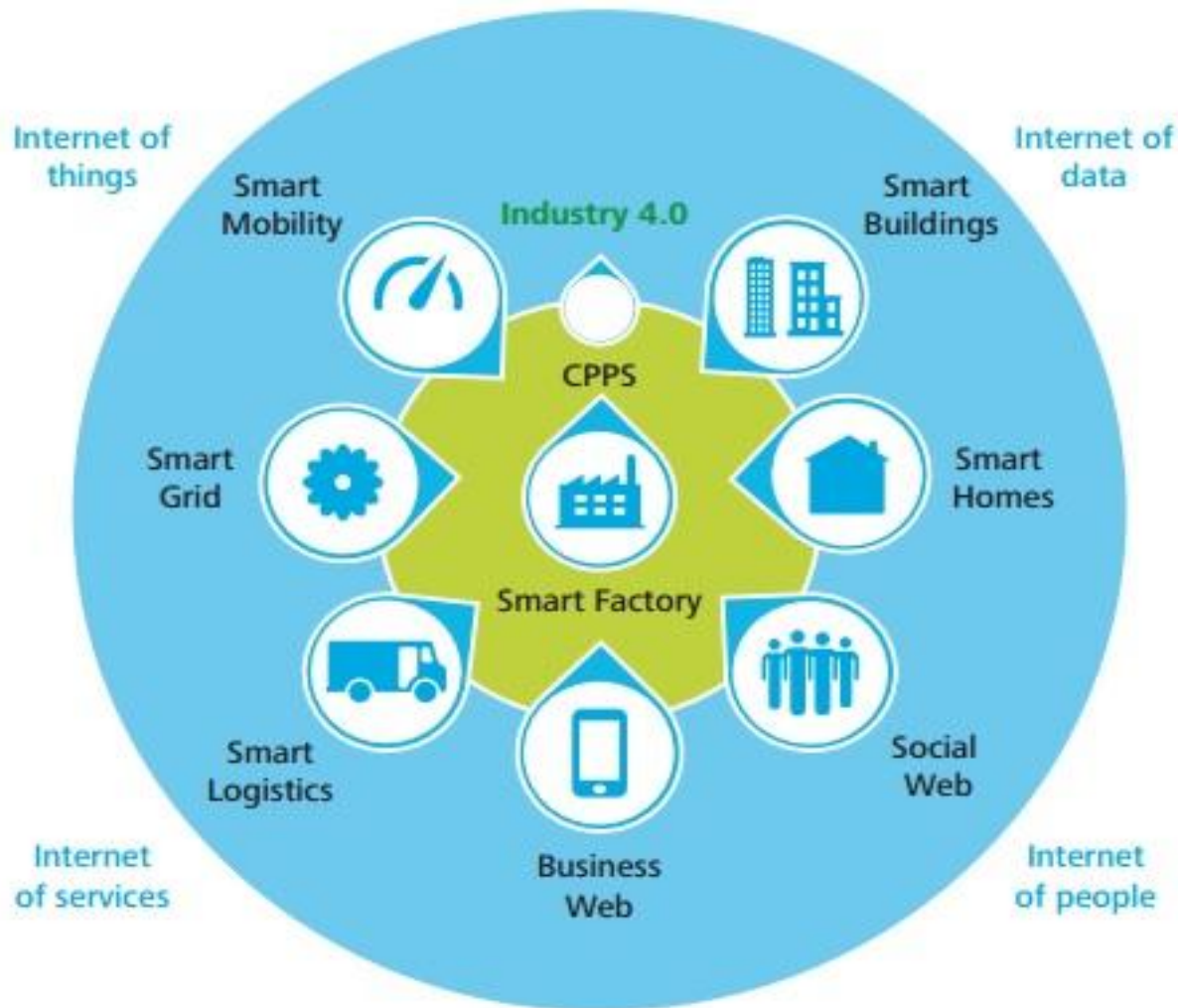
MIR Conscious
Business Entity

Smart Grid

Social Web

Business Web

MIR Integration Centre

Virtual Family Advancement

Asset Development

Leveraging SMART inter-relationships

Being MIR Conscious

Reduce Organizational Delays
Identify system bottlenecks and eliminate inefficient processes

Leverage Investments
Inform investment decisions to improve the company's bottom line

Increase Productivity
Reallocate workloads and human resources more efficiently

Optimize Equipment
Enhance the productivity of existing equipment

Conscious Leaf Theory

Being MIR Conscious

The Conscious Leaf for a business can be developed via the following framework:

Sense & respond cycles based on a synthetic clock for Assets Protection & HIITP pro-activeness

Knowledge, Educational & Learning Solutions

Use of IT and networking technology

| Official Web site and services | On-line collection of documents | On-line workshops & classrooms | Agile communication systems | SMART Business Or Factory elements |

H (Heterogeneity) I(Intangibility) I(Inseparability) T(Trendiness) P(Perishability)

Being MIR Conscious

- **Official Web site and services:** Today most governing bodies, organizations, institutions and other businesses host web sites. The ideation proposes that these web sites should have a Conscious Leaf section, that exclusively focuses on awareness, sensitization, and adherence to MIR practices that achieve ASSET(s) protection, supply for terrarium needs, savings for green thinking and sustainable functioning.

- **On-line collection of documents:** This component of the Conscious Leaf section could mean hosting of specific documents online i.e. white papers, case studies, how-to or training material that helps customers or consumers or citizens understand the need for being "Green MIR entities", or "Green MIR identifies".

- **On-line workshops & classrooms:** After considering the costs in implementing such services, the Green host (a governing body, or an organization, or an institution and a business) could design on-line workshops and virtual classrooms to help customers or consumers or citizens understand how they can protect their businesses, reduce their carbon footprint, fight climate change and achieve eco-friendly involvement, when it comes to their line of business, services and vision for sustainable development.

Being MIR Conscious

Innovation	Agility
Efficiency	Risk Mitigation

SMART Business

The smart factory
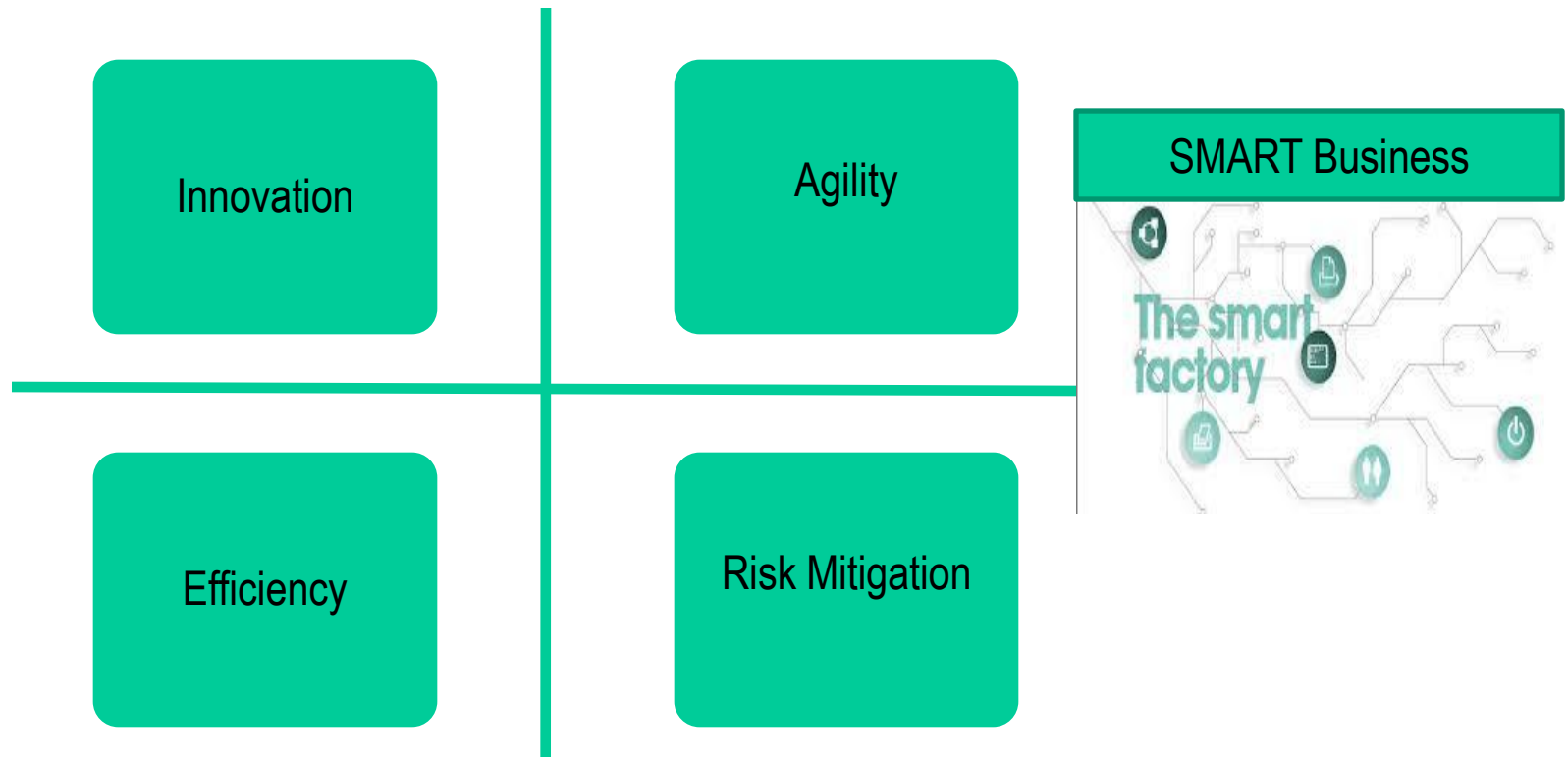
- **Agile communication systems:** Depending upon the technological interests of the Green host, the ideation proposes the development of a **TARGETED TRAINING Advisor** that uses customer or member information to reach out via emails, advanced messaging, SMSes, alerts, LiveUpdate services, tweets, etc to report any need to view online classrooms, or workshops, white papers, case studies, how to or training material etc to transform a vision to business modeling for MIR, production/operations/management , marketing, consumption and/or utilization patterns as Green MIR entities or Green MIR identities.

Being MIR Conscious

- **SMART Business or Factory Elements:** Depending upon the technological interests of the Green host, the ideation proposes the development of a **TARGETED CONNECT Advisor** that uses Twin Centre customer or member information

- (a) **to connect Twin Centre enterprises** via Twin Centre specific systems and human-machine interfaces (HMIs) that allow users to drill down from time-based production or performance trends to individual business elements, for manufacturers - product lines, or even individual part levels

- (b) **to reach out to connected enterprises** via MIR Integration Centre messaging, alerts, LiveUpdate services etc to report any need to augment or connect Twin Centre system-wide physical, operational, and human assets to drive business, manufacturing or operations or services, maintenance, inventory tracking, digitization of operations through the digital twin or centre, and other types of activities across the entire inter-related network. It will also report any need to view online classrooms, or workshops, white papers, case studies, how to or training material etc to transform a vision to business modeling for MIR, production/operations/management and marketing with FMCEA specific restoration & support as connected Green entities or co-Green identities. Here FMCEA stands for – Failure Mode Cause and Effect Analysis

Being MIR Conscious

SMART Business OR

- **Depending upon the involvement needed to become a Conscious Leaf**

- The Green host could publish information for SMART Business or Factory elements, Scaled Sustainable Experiences, that walk- through-how a member or customer or citizen could practice a perpetuating lifecycle that is green and responsive with minimum lead/lag issues right from design to market, to enquiry to becoming customers or consumers followed by utilization, reporting and disposal, where all this is considered a system tier depending upon the solution, product or service etc.

- SMART Factory elements could include **Robots (scale to sized versions) & Smart Devices, Sensors, Factory Layouts & Facilities , Internet of Systems (IoS).**

Being MIR Conscious

- The system tier is a term coined from "what is deployed on a networked entity for it to function in the network", here it refers to a cradle-to-grave-lifecycle window (horizontally) and a (vertical) stack of the different Conscious Leaves that the host or entity or identify is part of. This tier and its methodology for a TARGETED CONNECT is part of the "Unified Enterprise model".

- **For governing bodies like AEPC, organizations, institutions and businesses**

- The Green host could also work towards Future Criteria Creation via its own dedicated (Twin Leaf or) FIC Desk/Twin Center.

- The Green host could also involve members, customers or citizens in Value Creation for local, inter-state or export solutions, products, and services.

- It could also help in achieving a TARGETED CONNECT for customers/members who are looking for "design to market" co-stakeholder participation etc.

Being MIR Conscious

- **References (URL:** www.venkataoec.wixsite.com/exportscentre**)**

- 1.Author's highlight for Green Businesses and sense & respond cycles – Parts 1 and 2

- 2. Author's highlight for Roadmap for SERT Analysis

- 3. Author's highlight for Sustainability in the business model

- 4. Author's highlight for Sustainable Project Management

- 5. Author's highlight for a Green Product Culture

- 6. Author's highlight for the need for a Quality Management System

- 7. Author's highlight for Market coverage and attainable supply

- 8. Author's highlight for Making products and projects sustainable

Being MIR Conscious

- **References (continued)**

- 9. Author's highlight for Product re-engineering Root Cause Analysis

- 10. Author's highlight for Social Accountability

- 11. Author's highlight for Integrated Optimization

Being MIR Conscious

- **Conscious Leaf framework and the MIR Integration Centre (FIC)**

- A **SMART business or factory** is a sustainable environment that can self-optimize performance across a broader network, self-adapt to and learn from new conditions in real or near-real time, and autonomously run entire production processes or initiate restoration services.

- A true SMART business or factory can integrate data from system-wide physical, operational, and human assets to drive business, manufacturing or operations or services, maintenance, inventory tracking, digitization of operations through the digital twin or centre, and other types of activities across the entire inter-related network.

- The result can be a more efficient and agile system, less management, production or service downtime, and a greater ability to predict and adjust to changes in the facility or broader network, possibly leading to better positioning in the competitive marketplace.

Being MIR Conscious

- The term "SMART factory" also suggests an integration of shop floor decisions and insights with the rest of the supply chain and broader enterprise through an interconnected Information Technology/Operational Technology (known as the IT/OT) landscape.

- This can fundamentally change production processes, services and enhance relationships with suppliers and customers.

- SMART factories can operate within the four walls of the factory, but they can also connect to a global network of similar elements and production systems, and even to the MIR-IC Grid or digital supply network more broadly.