

West Virginia Manufacturing Extension Partnership WVMEP

WVU Mining and Industrial Extension

Who is the WVMEP?

- The WVMEP is the WV affiliate of the NIST Manufacturing Extension Partnership program.
- The WVMEP fulfills the mission of the Industrial Extension Service for Mining and Industrial Extension within the College of Engineering.
- WVMEP is a provider of manufacturing consulting services to West Virginia industry, small and large operations across all industry sectors.
- And the WVMEP is supported by West Virginia University, the West Virginia Development Office, and the Federal Department of Commerce.

What is the mission of the WVMEP?

- Our mission is to improve the local, domestic and global competitiveness of West Virginia manufacturers, through delivery of Foundational Support Services and Innovative Growth Services.
- Work with our clients to identify problems and growth opportunities and then supply solutions to the problems, and develop plans to achieve growth.
- Build long term client relationships through hands on training and on going technical assistance and transformational consulting.

Foundational Support Services

- Design and layout of new operations
- Redesign of existing operations to optimize space and workflows
- Process improvement consulting – Lean Manufacturing
- Quality Systems – ISO and non ISO programs
- Health and Safety – Industrial Hygiene services
- Process, Energy and Environmental assessments

Innovative Growth Services

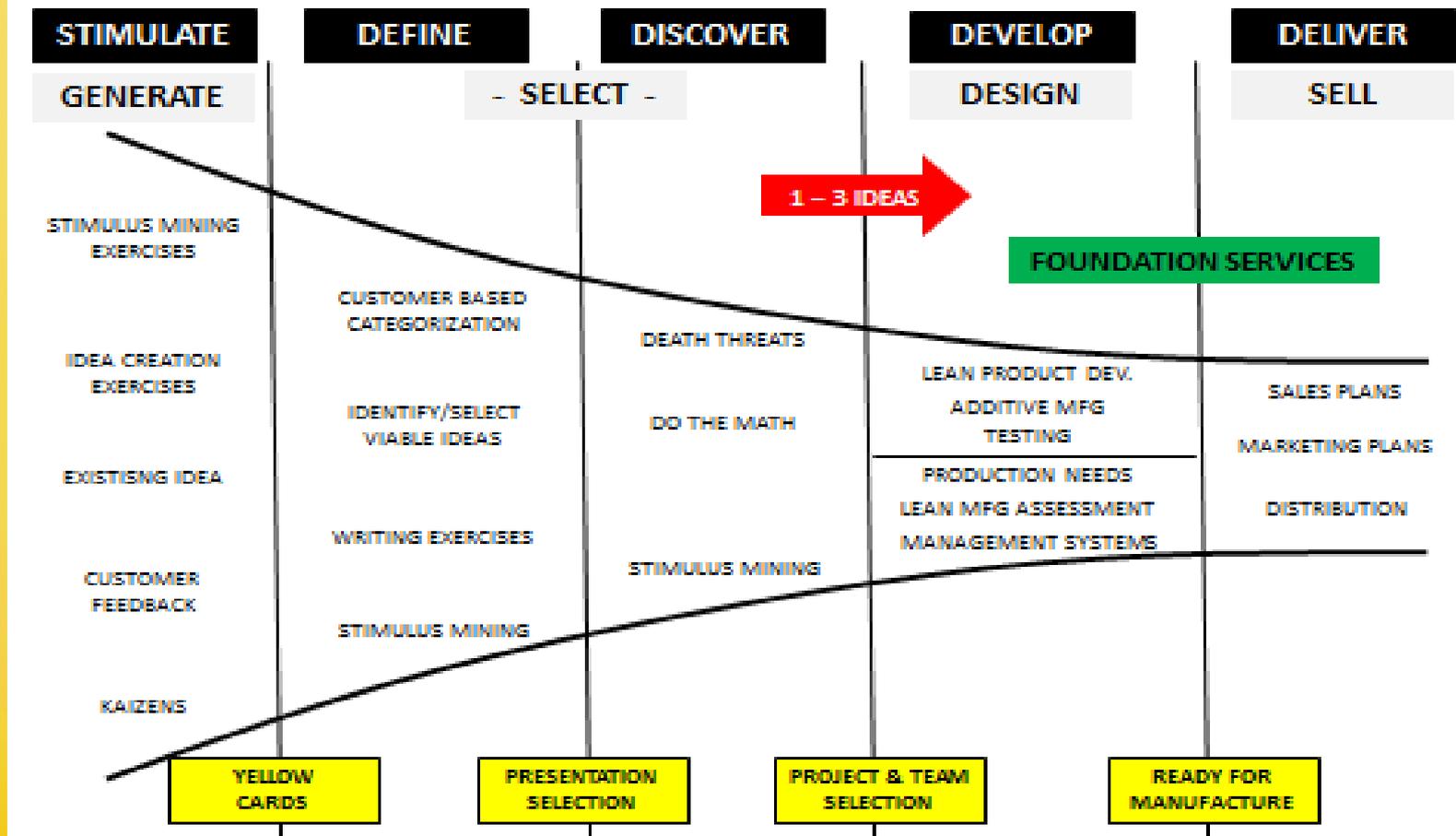
- Innovation Engineering Program
- New Product Design
- CAD Support Services
- Supply Chain Development
- Export Development and Training
- Access to National Re-shoring opportunities and National Innovation Marketplace

Innovation Engineering

- Idea Generation
- Define Idea; identify market; look at cost
- Develop marketing tools and pitch materials
- Final product design and production design

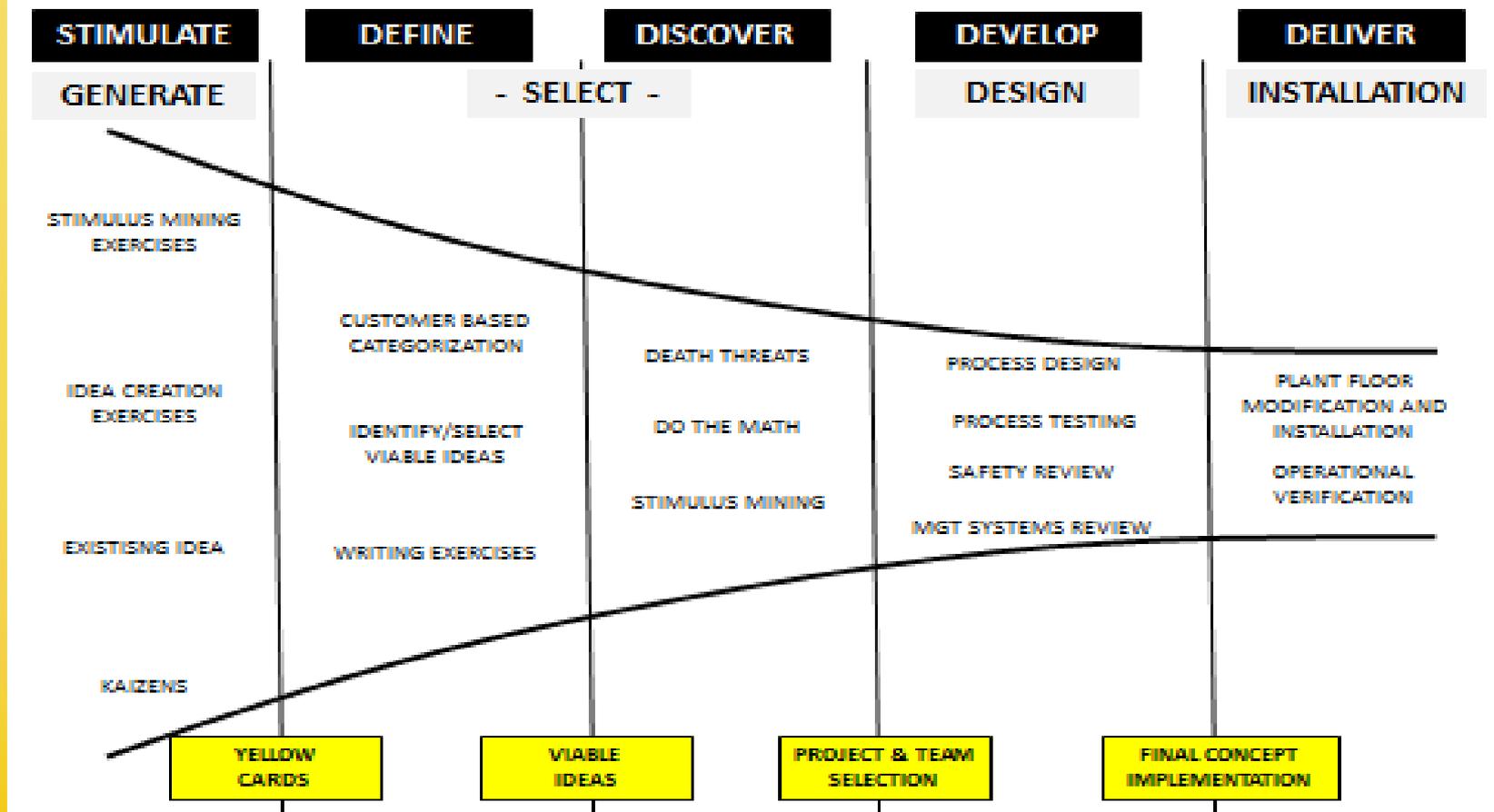
Innovation Engineering-Product

West Virginia MEP Sd⁴ Product Innovation Program



Innovation Engineering-Process

West Virginia MEP Sd⁴ Process Innovation Program



Innovation through E3 Program Established Businesses

- Energy, Economy, Environment
- Program consists of three interconnected assessments of an operation or business
- Energy use
- Process efficiency and improvement opportunities
- Environmental program

Benefits from E3

- Identify opportunities to reduce operating cost through:
 - Reduced use of electricity and natural gas
 - Opportunities to use alternative energy saving technologies
 - Reduction of production costs by reducing raw material waste and improving productivity
 - Opportunities to become more GREEN and SUSTAINABLE

E3 Type Assessments for Startups

- Preliminary energy use evaluation of an existing structure
- Identify the benefits of upgrading the facility and equipment
- Develop good process design prior to startup or equipment purchase
- Reduce early and long term operating costs

Innovative Growth Services

- Innovation Engineering Program
- New Product Design
- CAD Support Services
- Supply Chain Development
- Export Development and Training
- Access to National Re-shoring opportunities and National Innovation Marketplace

Contact Information

Gerald Biser

Director, WVMEP

304-290-8425

Gerald.biser@mail.wvu.edu

www.statler.wvu.edu

www.wvmep.com