

2017 Strategic Technology & Innovation Management Programme

Balancing new process technology development with operational needs

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Industrial / managerial need addressed

STIM companies come from a wide range of industries. However, a common aspiration is to improve the effectiveness of introduction of new operational technologies that provide the organisation with the products and services customers require against the back drop of industrial change. Many companies seek to understand this organisational boundary better, needing to assess company benefits, transformation costs, impact on existing products and services, and the people and skills required.

Expected deliverables

The collected materials will be packaged to give:

- A literature and practice summary document
- Checklist for balanced approach based on lifecycle view

Engagement opportunities

- Reviews of literature and practice will be presented to STIM companies as they become available for comment and improvement
- STIM companies will be asked to volunteer for survey, interviews and to take part in both STIM based and open discussions
- STIM companies will be asked to pilot the checklist and give feedback

Approach

The aim of this project is to improve the understanding required to balance new process technology development and production needs by:

- Surveying STIM companies to assess current status and processes in place
- Visiting interested sites to interview key personnel on challenges & approaches
- Reviewing recent literature on technology transfer in light of initiatives such as Industry 4.0
- Developing a lifecycle view of awareness, transfer and support processes required

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