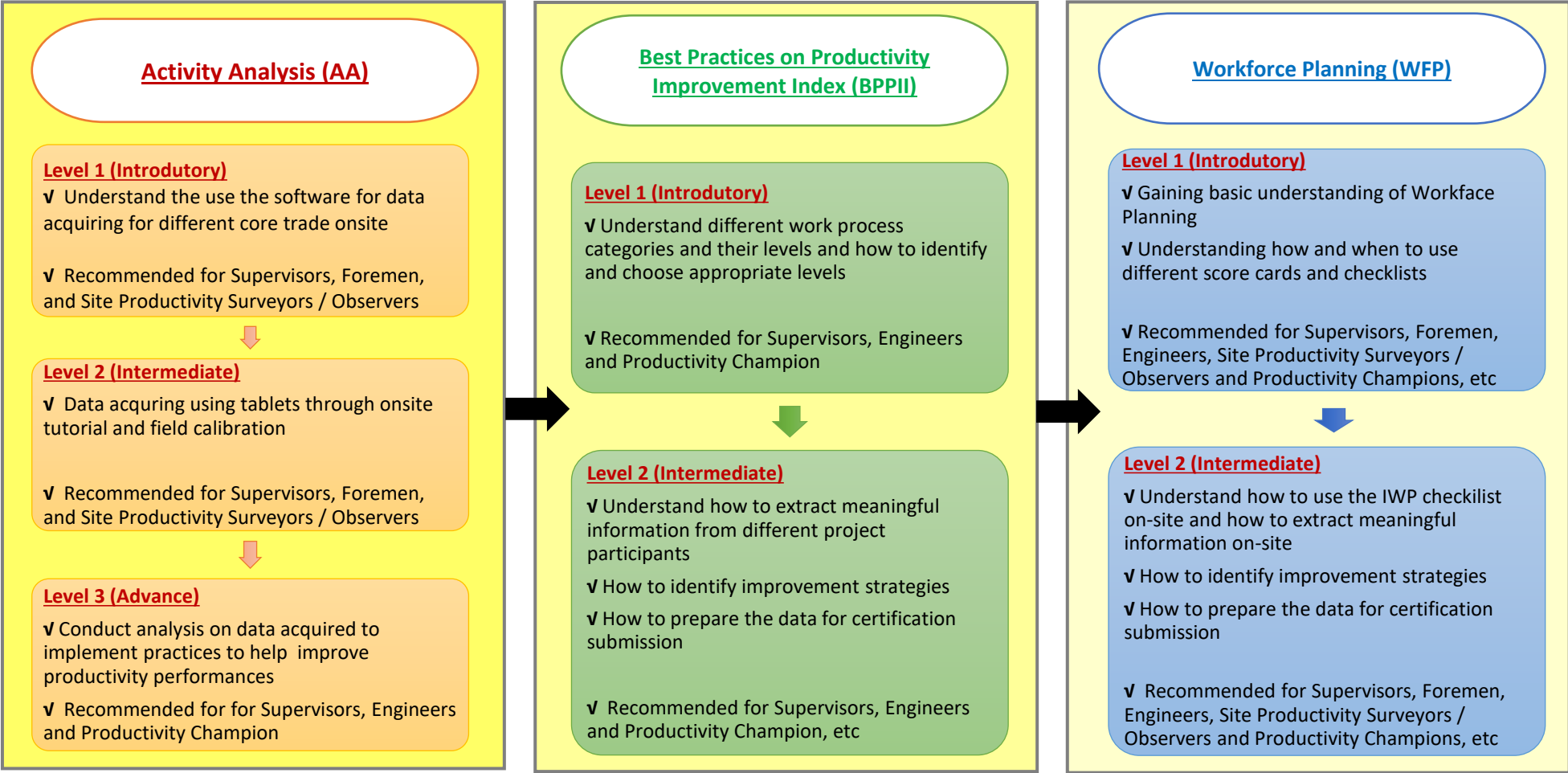


Training Series on Productivity Improvements for the Process Construction & Maintenance Industry

An Industry Initiative by the Productivity Council

Measurement Matrix on Productivity Improvements



About the Productivity Council

The Process Construction & Maintenance (PCM) industry supports the energy & chemicals (E&C) industry for its construction, maintenance and turnaround activities. Formed in 2015, the Productivity Council is jointly funded by the Singapore Economic Development Board (EDB), Singapore Chemical Industry Council (SCIC), Association of Process Industry (ASPRI), members of the Chemical and PCM Industries.

With the objective of improving the productivity performances of the PCM industry supporting the E&C industry, the initiatives undertaken by the Productivity Council aimed at introducing best practices metrics and benchmarking. The outcome of the Productivity Council will work towards the establishment of a “Center of Excellence” on industry-wide productivity improvements with training programmes, consultation services, knowledge transfer and guidance in supporting both the plant owners and contractors.

MILESTONE

Building Foundation

Engagement with Construction Industry Institute (CII) for a three-year partnership on research study and implementation of management practices on productivity measurements

Phase 1 (2015 to 2018)

Formation of workgroups to drive various productivity improvement initiatives

Pilot Project Working Group

Established benchmarking on direct work performed onsite for labour productivity based on adopted knowledge and tools from CII

Mechanization Working Group

Established local database on mechanization level and tools for adoption

Certification Working Group

Established trial certification framework and performed trial certification exercise with contractors

Productivity Practices Working Group

Developed a list of productivity best practices for onsite implementation

Operationalisation

The PC aims to refine and roll out the tiered certification framework, implement productivity measurement tools (AA, BPPII and WFP), and adopt mechanization tools identified in Phase I

Phase 2 (2018 to 2021)

Formation of 2 new workgroups to drive further productivity improvement initiatives

Workers' Capability Working Group

To monitor the WPH and skilled labour retention rates, explore enhancing the soft competencies of field supervisors, and review the current and future training needs of the PCM industry.

Center of Excellence Working Group

To establish a Centre of Excellence to sustain productivity improvement and to be a Knowledge centre for the Productivity Council and the Workgroups in the field of Productivity Innovation and technology.

Center of Excellence

- ✓ Knowledge-based
- ✓ Productivity improvements programmes
- ✓ Consultancy
- ✓ Capability building programmes

Productivity Certification Programme for PCM Industry

- ✓ Productivity benchmarking of PCM Industry

Productivity as a Competitive Advantage

Joint collaborative efforts among plant owners & contractors

High productivity level of PCM partners in supporting the E&C industry