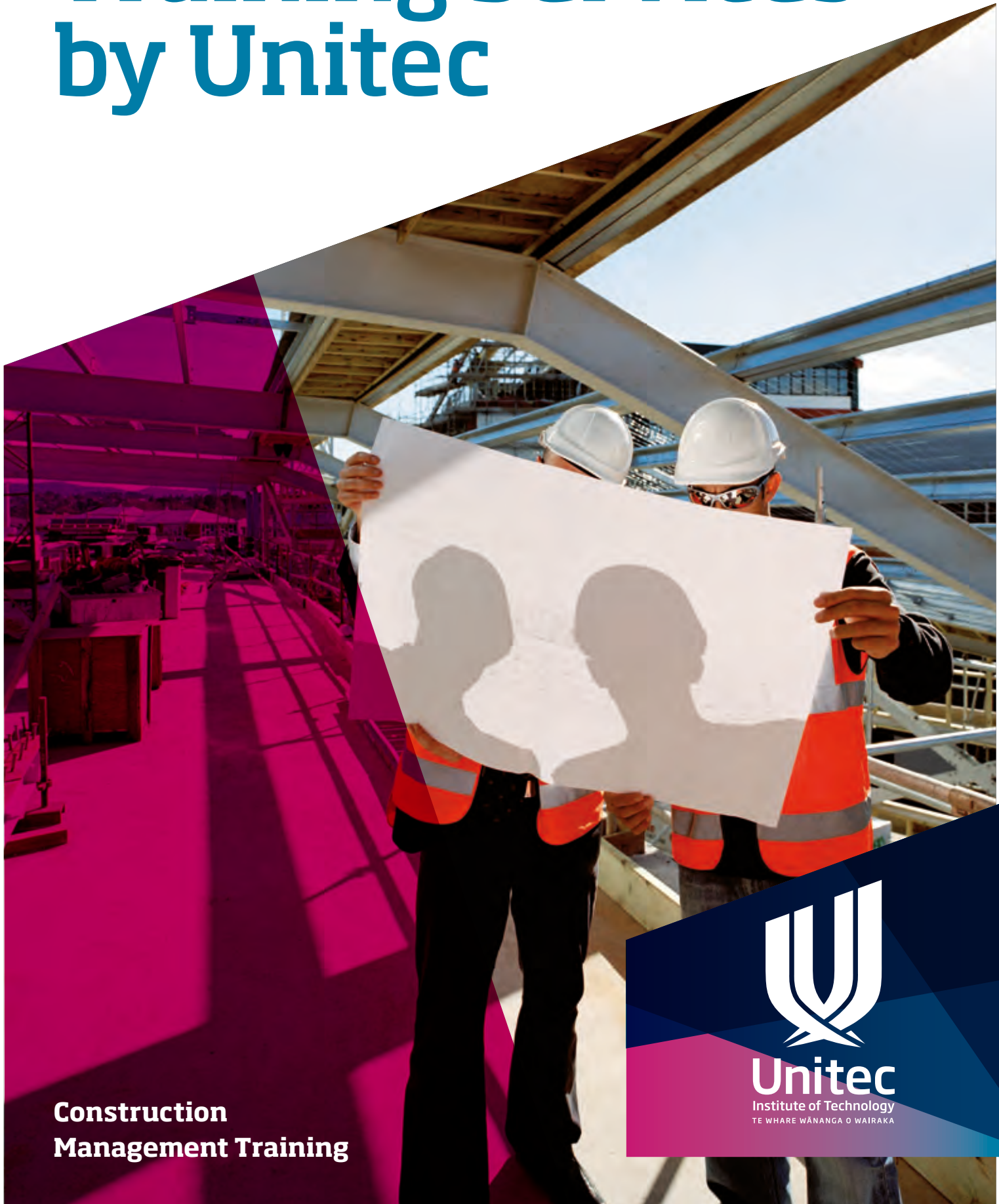


Professional Training Services by Unitec



**Construction
Management Training**



Unitec
Institute of Technology
TE WHARE WĀNANGA O WAIRAKA

Professional Training Services by Unitec

Construction and infrastructure professional development training programmes customised for your organisation

New Zealand's economic growth is expanding the construction and infrastructure sector at speed. The challenge for businesses in this sector is keeping up with and overcoming the demands that accompany growth, particularly the professional development of staff. Knowledge and confidence in new software and technology, the increased need for collaboration, a disparity of people management skills, are just a few of the shortfalls that need addressing in this current environment.

Professional Training Services by Unitec deliver bespoke training specific to your organisational goals and to the professional development needs of your staff. Our training programmes have been designed with current industry knowledge as well as academic training expertise to meet the professional development needs of this fast growing sector.



Construction Management Training

Construction Management Training is a bespoke professional development service for teams of experienced managers in construction and infrastructure. All our modules are contextualised to construction. Modules previously delivered include:

Lean Construction

This is management philosophy adapted from the lean manufacturing principles of the Toyota motor company, a philosophy known to have been very effective at improving productivity both in manufacturing and construction. It is now gaining credence as being “best practise” in construction.

The principles and tools developed from this philosophy are already being adopted overseas and are gradually being introduced into the New Zealand construction industry. They connect with the BIM tools and support the collaborative approach to construction.

The content has an element of theory but includes “hands on” practical case study applications.

Effective Communication

Communication breakdown is seen as one of the biggest causes of conflict, variations and cost increase. Given that the latest tools rely heavily on a collaborative approach, then communication skills become vital in supporting this. The module contains a range of skillsets all applied to a construction context:

- » Stakeholder management
- » Effective feedback
- » Conflict management
- » Trust building
- » “The qualified yes”

Building Information Management (BIM)

BIM is a management system built on the latest 3D software for construction. It incorporates the design, planning, and costing elements of construction. BIM tools are seen as an important way to improve productivity in the construction industry.

This module lays out the background behind the use of this software and in particular the collaborative philosophy needed for it to be effective.

Training is facilitated at Unitec Institute of Technology, Mt Albert Campus

Fully catered with morning tea and lunch during each class (options available)

It’s “hands -on”, and participants will not only learn the theory but will have a chance to apply that theory during their time in the classroom.

Planning and Programming

Planning and monitoring progress is one of the most effective ways to improve productivity and this module is well designed to upskill the participants in a very short time. The focus is on the planning process in construction and the use of Microsoft Project as a planning tool. The module utilises a case study to showcase the tool and to develop the planning skills.

Risk Management

Risk management has been mandated by governments throughout the world and the New Zealand government has its own unique risk standards. Most major companies are required to have a company policy of risk management and run regular risk management checks.

This module looks at how it applies to the construction industry from “high level” strategic management to the site manager on site making day to day decisions. The participants will be introduced to the best practice in risk management and will apply that to real world case studies.

Moving Forward

This module is split into 2 halves:

The first half of the module focusses on “where to from here”. It looks forward and collects what has been looked at in the other modules and plans a way forward.

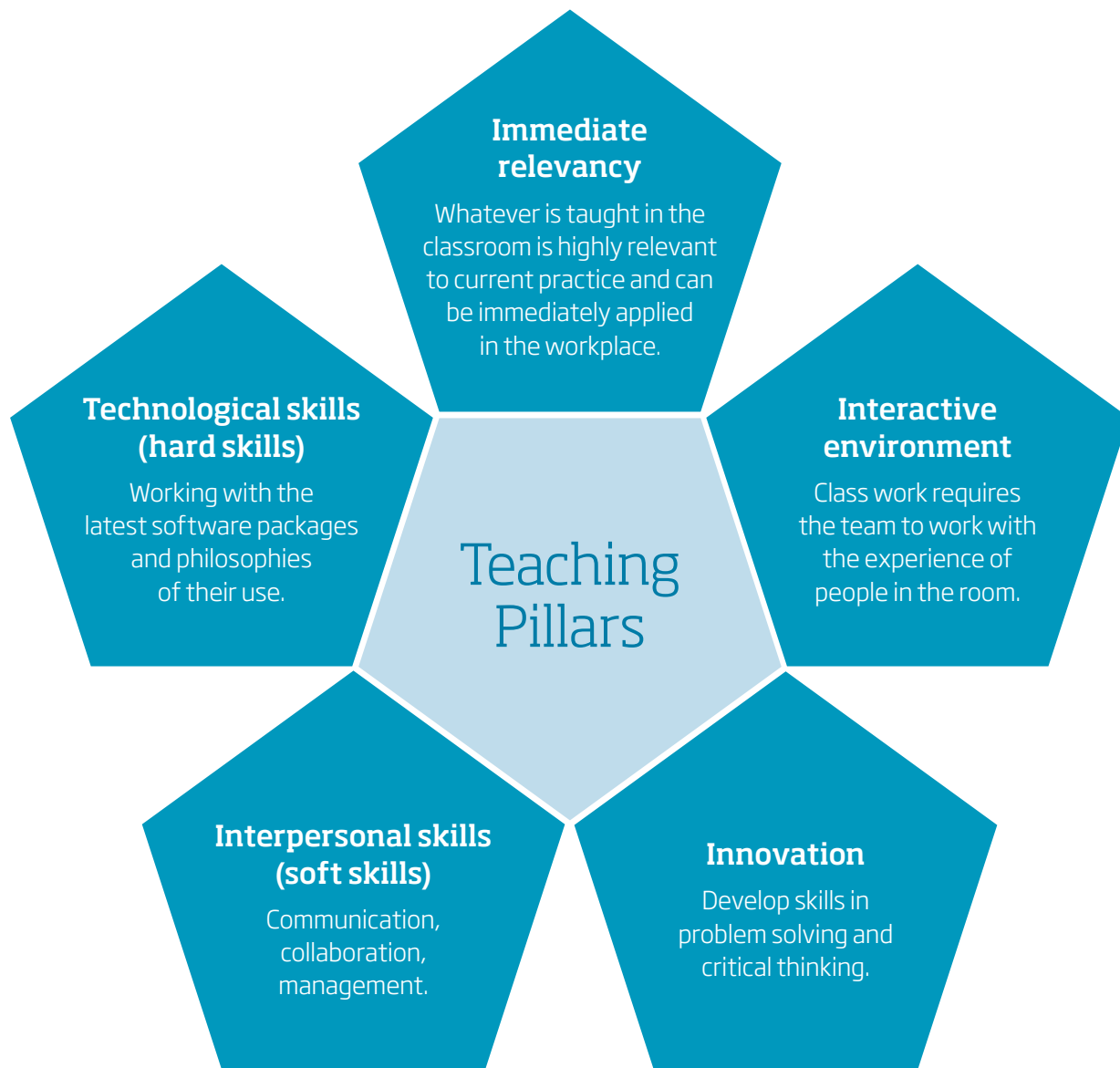
The second half looks at 3 areas all applied to the construction context:

- » Procurement and the latest procurement models
- » Change management
- » Sustainability

Our aim is to help your team focus and find answers to the challenges they face and to give them the ability and confidence to meet those challenges.

Throughout your bespoke training programme, we facilitate the modules drawing on our key teaching pillars to maximise capability development and applied learning for experienced managers.

We believe the best approach to organisational professional training is a partnership between ourselves and industry. We can design programmes to meet your needs that utilise our experience and knowledge in training as well as your experience and knowledge of the industry. Our industry experienced students have found immense value in the interactive and practical approach that they experience in the classroom.



What our previous students liked about Construction Management Training:

"... using examples from the construction industry when discussing the modules as everyone can relate to these. This is a massive plus, it keeps things interesting and very relative."

- Senior Quantity Surveyor

"How good BIM looks and how much it could improve what we do on site with all our projects if we use it."

- Project Manager

"...the interactive nature of the course, and the fact that we stayed working in the teams we were put with so that we could develop those new relationships further."

- Site Manager



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No matter how New Zealand construction and infrastructure grows or changes, business success will always be a result of its staff and their ability to adapt, minimise risk and improve productivity. How is your organisation adapting to the current environment and innovating for the future?

In the Professional Training Services by Unitec, your team will share knowledge and the skills needed to become agents of innovation and change, build their professionalism and refresh their passion of the field.

To discuss the opportunities and solutions that will maximise the return on learning for your organisation, please contact:

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