



NEWood™ as Building Composites

Waste wood from the furniture, building and construction industries generally end up as ash after being incinerated. EWTCOI researchers, in collaboration with industry partners, especially SMEs, have developed **NEWood™** - *an attractive new wood composite created through an innovative methodology for different applications.* Among the success stories is a local SME, *Falcon Incorporation Pte Ltd*, that can now convert all its waste wood into a wood plastic composite that shows promise as a new source material for furniture making.

Formulation for the composites can be tweaked to achieve different physical and mechanical properties, depending on the characteristics of the wood wastes and the intended application of the composites, for example, indoor partition panelling or outdoor furniture, decking or fencing.

EWTCOI can develop game-changing innovations that put you ahead of the competition.

Key Features & Benefits

- Near-natural wood appearance
- High mechanical strength
- Resistant to water, mold, termites and weathering
- Recyclable several times over
- Can be machined into desired shapes

Applications

- Indoor or outdoor furniture and finishes
- Railing
- Decking
- Pallets

Wood waste



Wood composite



Wood plastic composite

