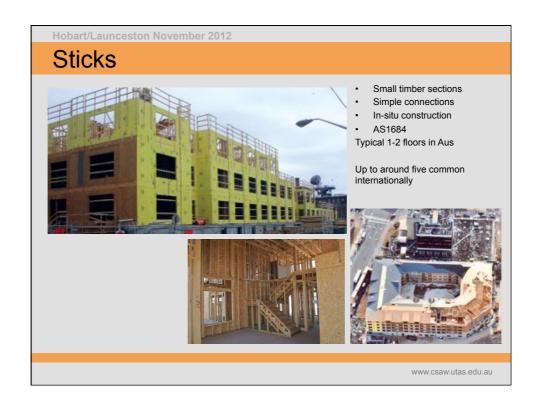
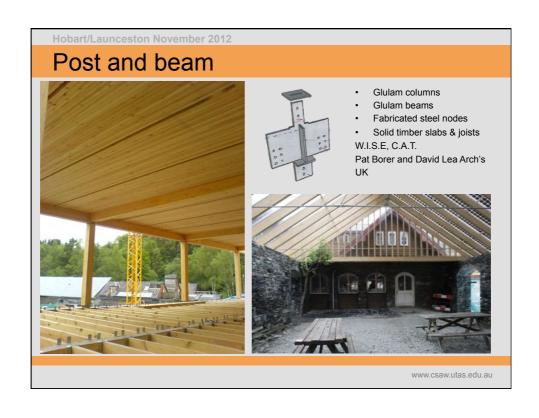
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Inspirational timber projects and systems

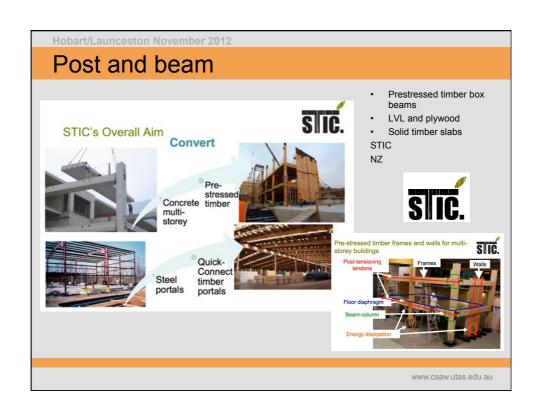
Part II – structural systems & products

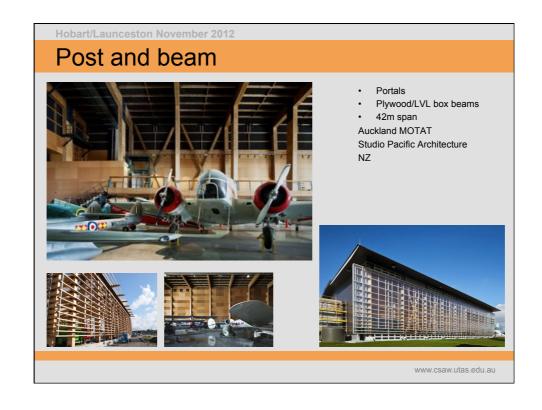
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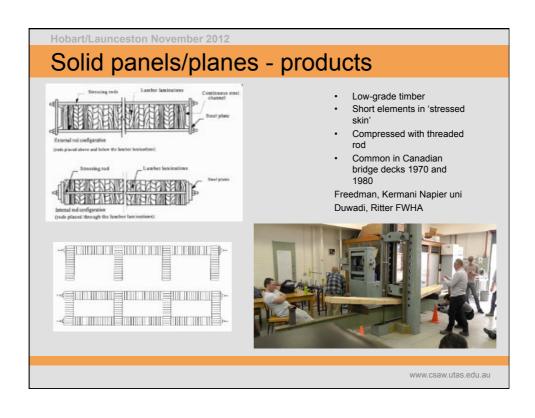






Solid panels/planes - products - Low-grade timber - Wenus panel system - Exposed sofit - Efficient span:material - Requires jig to manufacture Sandoz, iBois, EPFL







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Solid panels/planes - products





- CLT2.0
- Lower capital base CLT manufacture
- Boards glued and stapled into placed rather than pressed

Douglas Consultants Canada



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Solid panels/planes - systems

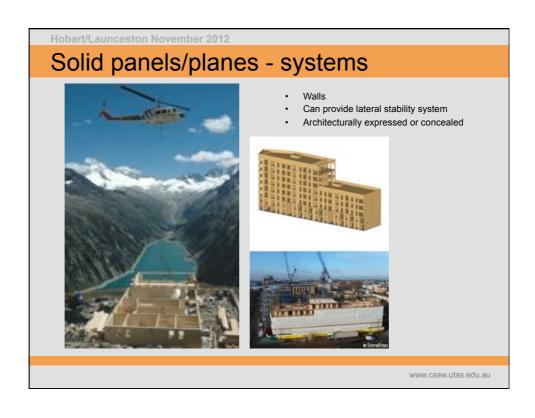


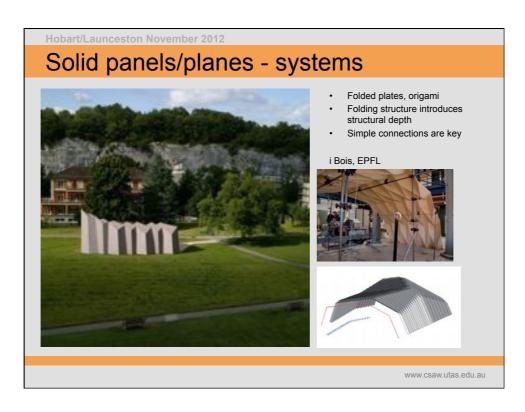
- Floors/ceilings
- Low or high-tech solutions: CLT, Brettstapel etc
- On timber or other frame/walls
- Can provide floor diaphragm
- Architecturally expressed or concealed

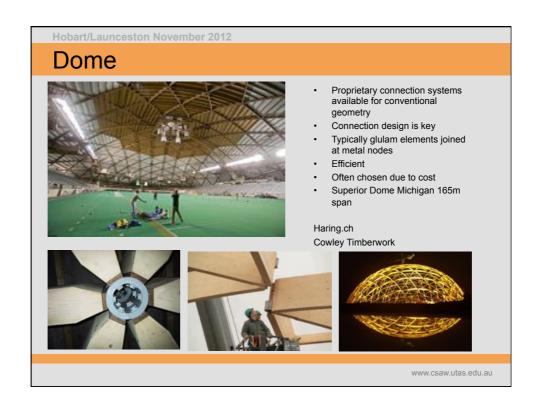


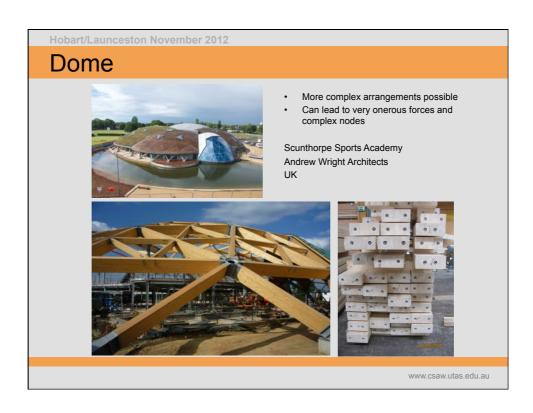


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Gridded surfaces — small elements Small elements bent in-situ Grid around 500mm to 1m Double curvature is key Base connection critical Construction process In plane bracing important Manheim Gridshell, Frei Otto, Ger Japan Pavillion, Shigeru Ban, Hanover Expo



