



**EDAP
Regional Seminar Cowra 2014**

**Presentation from Partners Energy
Synopsis**

This presentation – “Thermal Performance of Buildings “ - will focus on the benefits to participants in the building industry of using computer thermal performance assessment of projects – residential and commercial - rather than simpler DTS or DIY techniques.

Involved in deploying the BASIX concept and also the Energy Provisions of the BCA, since 2005, with many seminars for members of the building industry, David Howard has a wealth of knowledge of the importance of an holistic approach to thermal analysis.

This presentation demonstrates the reality that most BASIX and BCA Section J analysis, is carried out using the DIY and DTS methods. The audience will be shown that thermal analysis of discrete components creates an outcome which creates additional project construction costs. By considering the whole building, not its discrete components, the thermal analysis is more accurate and generally results in less cost to construct.

We are finding for houses that double glazing, underfloor insulation and insulation of concrete block walls are required more by DIY/DTS techniques than the more complex software/NatHERS analysis.

The cost of a computer simulation may be \$1,000 but the construction cost savings may be \$10,000 or much more.