

design and construction

Designs with... cost savings character comfort



One of the many highly energy efficient homes Tecto and its clients have created.

Save 80% home fuel bills

How would you like to reduce your home energy bills by as much as 80% and make considerable enhancement to the quality of your life?

It is possible through homes designed by Tecto Projects.

Our home designs are highly energy efficient, designed to make use of the sun and the environment.

Correct design of an overall package taking into account windows, entrances, shade areas, roof installation, design allowance for aspects to the sun and ventilation plus introducing such innovations as a solarium and eclipse pergola make marked differences to not only energy bills but quality of life.

Tecto Projects believe that quality of life has a strong relationship to a home.

A home that is bright, sunny and comfor-

table offers an enormous difference to one that is freezing in winter, a hot box in summer and has a general gloominess about it.

Intrinsic psychological factors are important and can be provided in well designed homes.

It is interesting to note that throughout most of Australia the average home owner spends hundreds of dollars a year on space heating — 40 to 60% of the annual energy bill is spent on space heating.

It has been proven that it is possible for an energy efficient house to reduce heating bills for a conventional style house by some 60 to 70%.

Efficient solar houses in Perth maintain a temperature range of 18 to 25 deg C in winter and between 20-28 deg C in summer with no auxiliary heating and cooling systems.

Total energy savings have been 60-80% of a comparable conventional house.

We're a total package

Tecto Projects has been designing and building homes and commercial buildings since 1979.

The company has the capabilities of undertaking an entire project or alternatively it will just undertake one division of a project.

We're architects, project managers, builders and the maintenance contractors.

Among the many successful undertakings

have been the No 5 Colin Street, West Perth office block, the \$1.2 million refurbishment of Russell Centre, Adelaide Tee, Perth and the extensions to the East Beechboro Primary School.

Projects have included both small and large office centres, many with particularly interesting and innovative environmental features we'd be happy to show and demonstrate.

Computer program a world first

Tecto Projects has developed a special computer program that can analyse the performance of a planned solar design for a building and then give an economic summary of the proposals.

The program, believed to be the first in Australia, and possibly the world will give specific information on aspects such as solar heat gains and transmission losses through walls and windows on each facade of a house.

It can analyse heat gains due to occupants and appliances, determine the amount of natural ventilation achievable and the auxiliary systems required.

Further to that, from the data produced an economic analysis can be prepared to establish a pay back period.

All this enables the development of a most cost effective answer to a project's development.

Full analysis of styling, operating costs, life cycle expectancy, maintenance, capital appreciation factors and other costings can be done.

Such is the scope of the Tecto Projects computer program that the company now offers an energy consultancy service for the public or for other builders and architects.