

# How BSE is Designing Environmentally Sustainable Buildings



**Australian Capital Territory, Australia Mar 13, 2023 ([Issuewire.com](https://www.issuewire.com))** - In 2019, BSE was hired by Engine Room VM to design a new commercial space for Suez. The end client, Suez, wanted the two-storeyed space to have collaborative workspaces, private meeting rooms, and also breakout areas for staff. Suez wanted the design to be environmentally friendly and sustainable which is BSE's forte. It company provided customised design solutions to create an innovative space that is not just functional but also appealing and eco-friendly.

Today, it is a growing trend, where brands and organisations are looking to make their spaces not only aesthetically pleasing but also environmentally sustainable. As one of the leading [commercial interior designers in Canberra](#), BSE is aware that many commercial brands understand the importance of reducing their carbon footprint and conserving resources. To help such brands, BSE works to understand the needs and goals of the brand before coming up with a bespoke solution.

## Designing with Sustainability in Mind

When designing a building, BSE is careful to choose materials that are environmentally friendly. This means using materials that are renewable, such as bamboo, and avoiding materials that are non-renewable, such as fossil fuels. They also aim to reduce waste by using materials that are recycled or can be recycled.

One of the key principles of [environmentally sustainable design in Canberra](#) is to reduce energy consumption. BSE achieves this by incorporating passive solar design principles, such as positioning

windows to allow maximum natural light and heat in winter and shading windows in summer to reduce heat gain. They also choose energy-efficient lighting, heating and cooling systems, and appliances to minimise the building's carbon footprint.

Another important aspect of sustainable design is water conservation. Commercial interior designers in Canberra reduce water consumption by installing low-flow toilets, faucets, and showers. They also design landscapes with native plants that require less water.

### Acoustics in Sustainable Design

Acoustics is an important consideration in sustainable design, as it can have a significant impact on the building's energy consumption. In order to achieve good acoustics, BSE works with a qualified and experienced [acoustic engineer in Brisbane](#) to strike a balance between the need for sound insulation and the need for natural light and ventilation.

One way that BSE achieves good acoustics is by using materials that have good sound-absorbing properties. For example, they may use acoustic ceiling tiles or wall panels that absorb sound waves and reduce echo. They may also use sound-absorbing insulation in the walls and floors to reduce the transmission of sound from one space to another.

Another approach is to use materials that reflect sound in a controlled manner. For example, sometimes BSE may use perforated metal or wood panels that reflect sound waves in a specific direction. This can be especially useful in large spaces such as conference rooms, where it is important to direct sound to a specific area.

In addition to using appropriate materials, BSE uses technology to come up with an environmentally sustainable design in Canberra. It often uses computer modelling to design spaces that achieve optimal acoustics. This involves simulating sound waves in a virtual space and adjusting the design until the desired acoustics are achieved.

### Conclusion

BSE is at the forefront of sustainable design, and they are using their expertise to create buildings that are both environmentally friendly and functional. With its focus on sustainability, BSE is contributing to a better future for the planet. It believes that as more commercial organisations start focussing on sustainable designs, it will become the norm and organisations will not think twice about working with designers who can come up with innovative and beautiful eco-sustainable designs.

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