

Brazil

巴西项目



An environmentally sensitive building for Brazil, providing positive inspiration for business and wellness for its users

The Sebrae Sustainability Center, located in Cuiabá, Brazil, is sensitively designed taking into account environment and climate, together with vernacular architecture and a passive design strategy.

The building is inspired by the indigenous hut shape, with double layer external envelope skin. Its oval shape helps to capture rainwater through the air gap between the concrete skins. This strategy also helps to cool down the inner concrete skin, consequently adjusting the indoor temperature through latent cooling by evaporation.

Construction started on site in 2008 and sustainability has been embedded into the process since early design stage, especially around low environmental impact and the integration of nature. The site is 2,500m², with the building itself covering 1000m². It is divided into two floors, and the lower ground floor includes an auditorium and open plan office space.

Sebrae chose BREEAM as a strong sustainability benchmark which goes beyond best practices and local building codes, helping the team to understand the relationship between the building and the building user.

Sebrae aim to provide a very positive example for entrepreneurs, who want to build or refurbish their buildings. The BREEAM process has also enabled permanent research for innovation and continuous improvements in the built environment for the client.

巴西的一栋环境敏感建筑，在商业和康乐方面为其用户提供了积极的启发。

Sebrae Sustainability Center位于巴西Cuiabá，考虑了对环境和气候的敏感性以及本土建筑和被动设计策略设计而成。

受本土小屋的双层外皮的形状启发，该建筑椭圆的形状有助于从混凝土表皮间的空隙收集雨水。这一方法还能帮助内层混凝土层降温，从而通过蒸发产生的潜冷却效应调节室内温度。

从2008年开始建造之前，建筑的可持续性特别是低环境影响和与自然一体化就被融入到了早期的设计阶段当中。该项目用地面积为2,500m²，建筑本身占地1,000m²，分为两层，较低的地面层包含有一个礼堂及开放式办公空间。

Sebrae选择BREEAM作为一个强有力的可持续性发展基准，因其超越行业最佳做法及当地建筑标准，而且帮助建造团队理解建筑及其使用者之间的关系。

Sebrae旨在为那些想要建设或改造其建筑大楼的企业家们提供一个非常积极的典范。BREEAM体系还为客户在既有建筑领域提供了创新方面的持久研究并持续改进





Sebrae - BREEAM In-Use Excellent

Energy self-sufficient, including onsite PV and with energy constantly reviewed and monitored

Accessibility embedded in the design. Temperature & acoustics monitored, Internal workshops address wellbeing

Purchasing policy prioritises local suppliers who incorporate eco efficiency and sustainability into their activities

A maintenance plan is in place that supports biodiversity, and Information about flora and fauna is disseminated through an intranet

Video conferencing facilities reduce need for business travel, information on public transport is made readily available to building users

Waste is segregated and bins are located for easy access. Food waste is composted and used to fertilise landscaping

Non-toxic cleaning products are procured. Rainwater is collected and permeable surfaces and drainage mitigate risk of water course pollution

Proactive maintenance in place. A strong, holistic environmental policy explains the benefits of using less resources to staff and users

Excellent use of the local climate zone, using evaporative cooling integrated into the double-skin concrete roof structure, designed with an indigenous vernacular

Water consumption constantly monitored. Rainwater harvesting and re-use offsets 78% of potable water usage.

“THE USE OF SUSTAINABLE BEST PRACTICE IN CONSTRUCTION PROMOTES COMPETITIVENESS FOR COMPANIES WHICH ADOPT THESE PROCEDURES. FURTHERMORE, IT CONTRIBUTES A POSITIVE IMAGE TO SOCIETY AND PUBLIC INSTITUTIONS, AND IMPROVES WELLBEING OF BUILDING USERS.” JOSÉ GUILHERME RIBEIRO, SUPERINTENDENT DIRECTOR, SEBRAE

Key Facts

- Name: Sebrae Sustainability Center, Cuiabá, Brazil
- Scheme: BREEAM In-Use International 2015
- Rating: Part 1 - Excellent 73.3%, Part 2 - Excellent 83.4%, Part 3 - Excellent 72.6%

Project Team

- Client: Sebrae MT
- Assessor: Lillian Martins da Silva, MLM



Sebrae - BREEAM运营, 优异

能源自足, 包括现场光伏板, 持续检查和监测能源。

设计中即融入无障碍设计, 温度和声学监控, 开展关于舒适体验的内部研讨会。

采购政策以体现了生态效益, 可持续性经营的本土供应商优先。

制定了维护计划, 支持生物多样性, 通过互联网传播植物群和动物群的信息。

配置视频会议设施以减少差旅需求, 建筑使用者可获取公共交通信息。

废物隔离, 垃圾桶位置便利。食物垃圾被制成堆肥并用于景观施肥。

采购无毒清洁产品。雨水收集、渗水铺装和排水系统降低水道污染风险。

实施前瞻性维护。强有力的全面的环境政策向员工和用户说明减少资源使用的好处。

极好的利用本地气候特征, 将蒸发制冷融入双层混凝土屋面结构, 设计带有本土风味。

持续监控水消耗量。雨水收集和再利用抵消78%的生活饮用水。

SEBRAE的主管负责人 JOSÉ GUILHERME RIBEIRO 说道: “在建筑中使用可持续性的最佳方法可为公司提升竞争力。而且, 在为建筑使用者改善舒适条件的同时, 还可向社会和公共机构树立一种正面形象。”

关键事实

- 名称: Sebrae Sustainability Center, Cuiabá, Brazil
- 方案: BREEAM In-Use国际体系2015
- 评级: 第1部分-优异 73.3%, 第2部分 - 优异 83.4%, 第3部分 - 优异 72.6%

项目团队

- 客户: Sebrae MT
- 评审员: Lillian Martins da Silva, MLM

Further details on the BREEAM criteria can be found in the relevant scheme manuals. Copies of the manuals can be downloaded free of charge from www.breeam.com



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