

QSAS

QATAR SUSTAINABILITY ASSESSMENT SYSTEM

In collaboration with Barwa and Qatari Diar Research Institute (BQDRI), the T.C. Chan Center for Building Simulation and Energy studies has been working on Qatar Sustainability Assessment System (QSAS), a project that unites designers, researchers and policy makers to generate a sustainable building rating system for the State of Qatar. QSAS is the first performance based sustainability rating system in the Middle East. QSAS rates a building's design based on its impact on air pollution, land use and contamination, fossil fuel depletion, water depletion, water pollution, materials depletion, human health and comfort, and climate change.

This project is important to sustainability because the operation of buildings contributes to 30-40% of total global energy use and associated CO₂ emissions. QSAS addresses sustainability, ecological impact and green design standards in a way that is developed specifically for the State of Qatar. Implementing the assessment system will have a significant effect, reducing CO₂ emissions through sustainable design. The system is currently being deployed as it has been adapted officially by Barwa and Qatar Diar, the largest two real-estate investment entities in the State of Qatar.

