The Viet Land Investment Consulting and Construction Joint-Stock Company (Vilandco JSC) was established in 2007, initially with architectural design consulting, interiors and construction consulting works as the main areas of activity. The company aims to ensure harmony between humans and the natural environment in any project they undertake. Vilandco is currently a champion member of the Viet Nam Green Building Council (VGBC), a non-governmental organisation established with the objective of promoting the development of energy efficient and environmentally friendly buildings in Vietnam.

**SPECIALISTS/ CHUYÊN GIA TƯ VẤN**

**NGUYỄN TRUNG KIÊN (MArch)**

Kien has been the director of Vilandco since 2007. He graduated from the University of Architecture (Hanoi) and then went on to complete a graduate course in Architectural Management at the London South Bank University (UK). Kien has 10 years of experience in architectural design and construction project management. Kien currently specialises in Green Building consulting and is a LOTUS Accredited Professional. Kien continues to be involved with the activities of the VGBC; development of LOTUS Rating Tools, assessment of LOTUS projects as well as Green Building and LOTUS Accredited Professional training programs.

**TIM MIDDLETON (MArch)**

Tim (Australia) specialises in Green Building consulting and is a LOTUS Accredited Professional. Tim graduated from his Bachelor of Design in Architecture and Urban Design and then continued on to complete his Masters degree in Architecture at the University of Sydney. He has experience working in Architecture firms in Australia, Japan and Vietnam. He has also worked for the VGBC in developing the LOTUS rating tools. He joined Vilandco in 2013.

**IR. BILL HOLDSWORTH MSC (OVERSEAS COORDINATOR)**

Bill studied Building & Architecture at London’s Northern Polytechnic followed by HVCA and Mechanical Engineering at the Borough Polytechnic. For 20 years a senior designer in construction, he began innovating and advocating renewable energy technologies and sustainable building solutions as early as 1960. His innovative work includes the ECHOES methodology (linking climatic impact and every other aspect of design), development of solar energy collecting roads and infrastructure, thermo-labyrinth warming and cooling and many other world-wide projects as a professional consultant. He now lives in the Netherlands where he advises on major international projects while remaining a visiting lecturer at the London South Bank University.
Passive design is a method of maximising the benefits from the natural environmental conditions (solar radiation, shading, lighting, natural ventilation, etc) on and around the site of a project. There is potential for significantly reducing energy consumption of the lighting system and Heating Ventilation and Air Conditioning systems while increasing the indoor environmental quality inside the building.

Passive design is a fundamental strategy, which can be applied right from the conceptual design phase of the project, bringing great increases in efficiency and energy savings in a building project.

Building Energy Modelling is a way of determining the likely energy consumption of a building. By comparative analysis with an equivalent building to that designed but based on minimum building standards and regulations (known as the Baseline Model), the design model can be optimised to maximise energy efficiency of the building design.

Energy Modelling is useful for evaluating project performance, analysis of life cycle cost of the project and is essential for providing the data for the assessment of energy consumption of the design when submitting for LOTUS and LEED Certifications.