



Comfort and sustainability
are two keys in my designs.
It is my duty to balance two.

Mitsubishi Jisho Sekkei, Inc.



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He is specialized in analysis since his college days. His expertise and energy distinguish himself.

What is the policy for energy-saving, CO2 reduction, sustainability at Mitsubishi Jisho Sekkei?

Mitsubishi Jisho Sekkei as a company stresses on taking care of environment. We have four guidelines made in June, 2001, in order to live with the environment.

1. In planning, designing, and managing stages of buildings, we contribute to the society by building sustainable towns with following four strategies.
 - a. Long life
 - b. Natural harmony, environmental preservation, scene formation
 - c. Energy-saving
 - d. Conserving resources
 - e. Waste reduction
2. In offices, we conserve paper, recycle paper, and conserve power usages in air-conditioning and lighting
3. During delivery of services, we comply all laws and regulations related to environment and promises and requests on environment.
4. For environmental preservation and pollution prevention, we construct environmental management system and maintain and improve it continuously.

Mitsubishi Jisho Sekkei has been working hard to build environmentally friendly new buildings. In addition, we are proposing renewals to make existing buildings more environmentally friendly and energy-saving to meet clients' wishes. I am personally dedicating myself in reducing carbon footprint as a part of Mitsubishi Jisho Sekkei, whose motto is "Grand designers of environment, culture, and future."

How do you use FlowDesigner in your daily duties. What do you think about FlowDesigner?

I am with this company for four years. Throughout the career I have found the importance of communications. Especially for proposals and presentations, not only texts and numbers, more intuitive methods like figures and animation add great value.

Indoor air flow and temperature distribution are ones of key issues in discussions but it is hard to make the points clear. Figures and animations of flow and temperature distributions are great for this. For instance, a client asks "is it cold at foot?" and we have calculated and we are sure that it is not. So, we answer "no." But if we do so with a temperature distribution map made with FlowDesigner, the client will feel much more confident.

However, air flow analysis might not be quick and easy. I have used several softwares for such analysis and FlowDesigner stand out because of easy operation and appealing outputs. We are using FlowDesigner since July of 2006. The version then had 2D modeler and it was sufficient. However, with version 7, modeler user interface was extended to 3D and it made reviewing the model much easier. In turn we can make correct model much more efficiently.

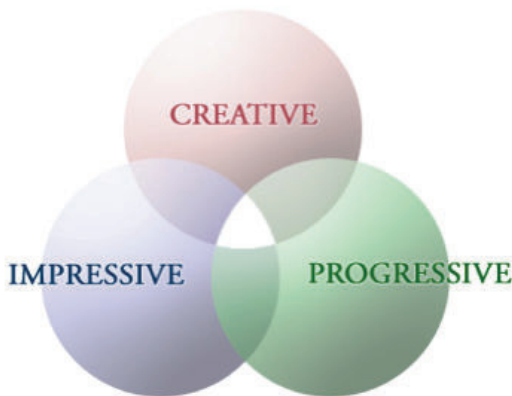
Designing work requires a lot of time to review the designs. Therefore, the reduction of modeling time is really helpful for my work. I am hoping to have continuous improvements in this aspect.

What do you do for energy-saving, CO2 reduction, sustainability in daily duties?

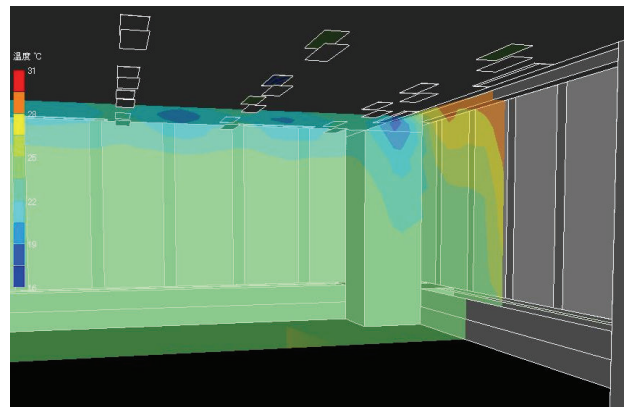
We are applying cutting-edge technologies not only to new buildings but also to the existing buildings. We have more renewals than new buildings. Also, running energy cost for those existing buildings is really important for environment. Renewals to reduce carbon footprint is important. As a total design architecture company, we design buildings, and engineer structures and equipments. Additionally urban managements, landscapings, and renewals are important roles for us. We do those with great care of environment. For example, windows are susceptible to external conditions. It is required to cooperate design, structure, and equipment in good harmony to reduce air-conditioning load while keeping great appearance. Double-skin (dual layer glass window) and PC curtain wall (concrete external wall) as *hisashi* or visor are by experience very effective. We keep improving the concepts in each opportunity. We collaborate with universities and clients to improve technologies. For an example of radiation coolings and other cutting-edge technologies, monitoring system consist of indoor environmental measurements and energy consumption monitoring renewed the office as inovativece “information-rich” office. This experience gained through many collaborations and we will utilize for many upcoming designs.

Please give us comment.

In recent years, environment issues become very popular and many people pay great attention to energy-saving. As a building designer, I have a great responsibility and also great opportunity to make change with clients. I am interested in renewable energies. They are great weapons for designers. We used to live together with nature. We can live harmoniously with nature better with new technologies. I do not have extended experience but I will keep working to deliver great combination of comfort and energy-saving.



<3 key words of Mitsubishi Jisho Sekkei>



<Heat analysis around windows>