Shigeru Sakashita

Thermodynamics Engineer

PROFILE

Truly competent engineer keen on thermodynamics in the industry sectors, esp., on cooling technology.

He has been undertaken so many energy auditing by developing custom-made simulator integrating energy and products at MAYCOM and his company.

Based on his deep understanding, he has been tackling several technical obstacles by applying existing theory from completely different aspect.

Some of these new technologies are innovative ones to change the business model of the targeted sectors, in addition to their higher energy efficiency.

He wishes and is acting to contribute low carbon "development", not just increasing energy efficiency.

CONTACT

+ (81) 90-1550-2710

http://aiaiea.com/
shigerusakashita@aiaiea.com

Kanda R-K Bldg., 4F
Higashimatsushita-cho, Kanda
Chiyoda-ku, Tokyo 101-0042, Japan

PROFESSIONAL SKILLS

- Patent applications: > 100.
- Development of custom-made auditing simulator for factories integrating production & energy saving.
- New technology development (e.g.,)
  - Defrost-free humid refrigeration technology;
  - Compact-size adsorption refrigeration technology; and
  - Ammonia fiber explosion technology for ethanol production.

WORK EXPERIENCE

Oct 2009–Now — **Ai-Ai Energy Associates, Inc.**

CEO

As the CEO, Ai-Ai Energy Associates is his vehicle to undertake energy auditing and other consultancy services, as well as to develop new and innovative technologies.

April 1978–Sept 2009 — **Mayekawa MFG. Co., Ltd (MYCOM)**

Project Manager

In his career as the leading engineer of MYCOM (cooling tech engineering company), he not only led many projects in Japan and other countries, but also invented several new technologies e.g., "dynamic ice".

ACHIEVED PROJECTS (examples)

At Ai-Ai Energy Associates

2017	• Energy auditing for Thai food factories • Binary hot-spring based geothermal power demonstration project (NEDO)
2015	• Energy auditing for Japanese wineries
2014	• Energy auditing for Brazilian and Mexican beer, edible oil, cereal, orange juice, and soft-drink factories
2013	• Feasibility study/auditing for Philippine sugar factories • Implementation of Vietnamese beer factories energy saving
2011	• Feasibility study for South African SAB Miller beer factory (under bilateral carbon offset credit scheme)
2010	• CDM FS for beer, sugar mill, alcohol distillery, and chemical resin factories in Philippines (METI)

At MYCOM

2008	• CDM FS for ethanol production from cassava pulp in Thailand (NEDO)
2005–06	• CDM project, Mexican breweries (NEDO)
2003	• CDM project, Lao beer Vientiane brewery
2002	• Installation of multiple VRC system in Suntory Whisky single grain distillery Chita Plant (Japan)
2001	• Plant-wide energy conservation system in Kirin Beer Okayama Plant, installation of VRC, NH_3 heat pump, gas turbine, dynamic ice thermal storage system (Japan)
1987	• Installation of VRC to alcohol distillation process in Takara Shuzo Matsudo Plant (Japan)

EDUCATION

April 1974–Mar 1978 — **Waseda University (Bachelor)**