

SHARP

SHARP SOLAR SOLUTION ASIA



OUR COMPANY

Founded in 1912, Sharp Corporation (SHARP) has achieved global recognition as a comprehensive electronics manufacturer. SHARP produces world-class electronic components including solar cells and modules through exceptional dedication and effort in research and development.



BUSINESS CREED

“Sincerity and Creativity”

BUSINESS PHILOSOPHY

We do not seek merely to expand our business volume. Rather, we are dedicated to the use of our unique, innovative technology to contribute to the culture, benefits and welfare of people throughout the world. It is the intention of our corporation to grow hand-in-hand with our employees, encouraging and aiding them to reach their potential and improve their standard of living.

Our future prosperity is directly linked to the prosperity of our customers, dealers and shareholders ...indeed, the entire Sharp family.

Sharp will continue doing what is both its mission and its joy: provide products, services and technologies that help make society a better place.

HALF A CENTURY HISTORY OVER 55 YEARS

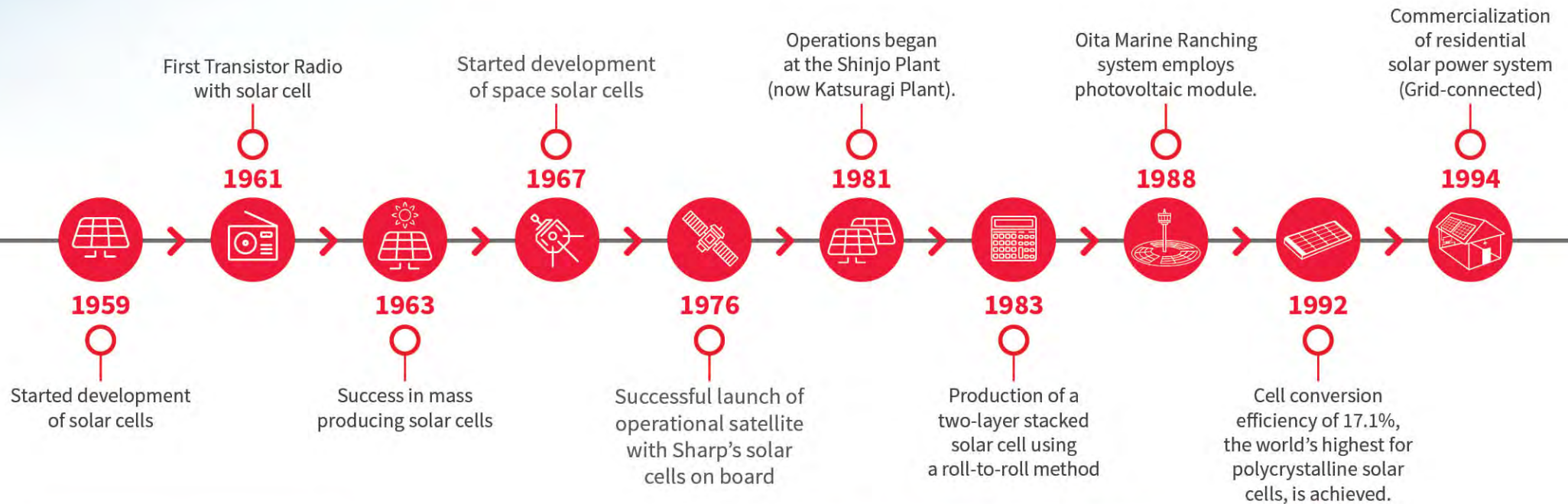
Half a century ago, in 1959, Sharp began developing solar cells. As a manufacturer of products that consume electricity, we've always felt it's our responsibility to create electricity as well. No other companies were thinking like that 50 years ago. We were one of the first to realize the effectiveness of solar energy and have continued to develop it ever since. Our sense of responsibility for the environment makes Sharp a global driving force in the research and development of photovoltaics.



“If we could find a way of generating electricity from limitless solar heat and light, that would benefit humankind to an extent we can scarcely imagine.”

Tokuji Hayakawa
Founder of SHARP Corporation

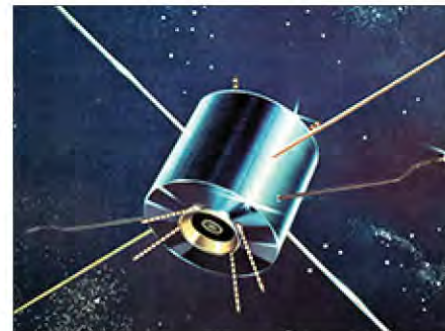
SUCCESS STORIES



1961 First Transistor Radio with solar cell

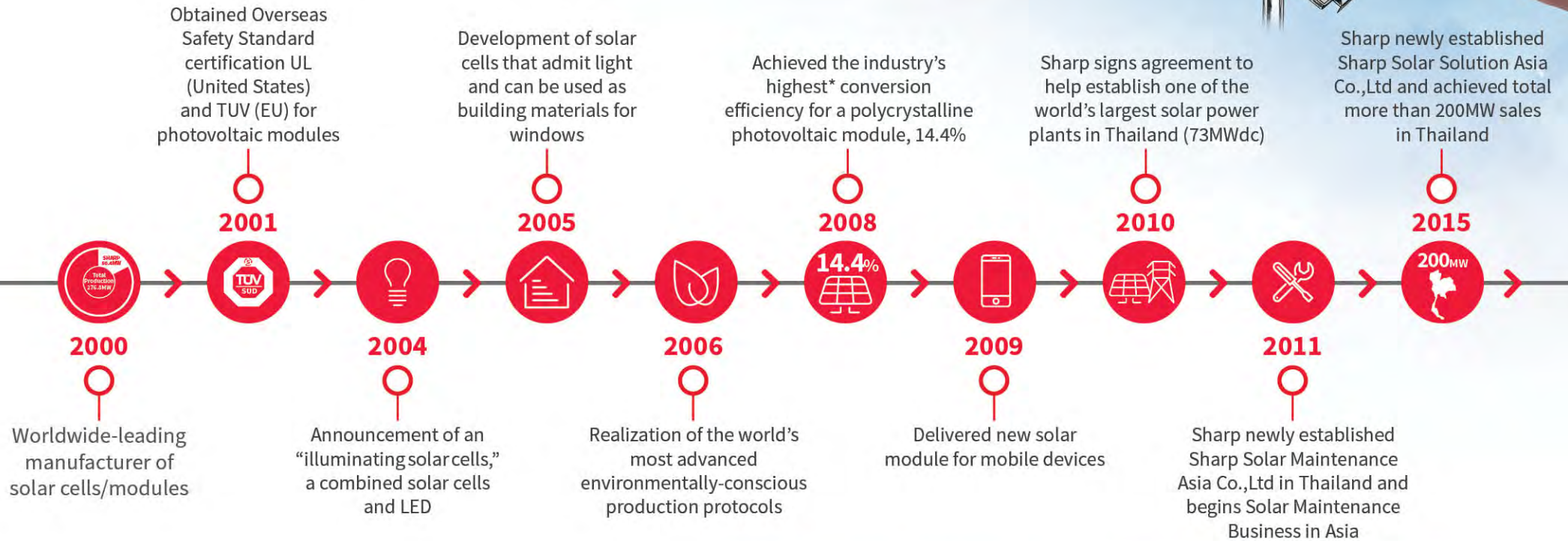


1963 Started mass production of standardized solar modules



1967 Ume satellite was launched with Sharp's solar cells on board

The world's highest cell conversion efficiency of 22% for single-crystal type solar cells capable of mass production



2006 Realization of the world's most advanced environmentally-conscious production protocols



2010 Sharp signs agreement to help establish one of the world's largest solar power plants in Thailand.

WHY SHARP?

Sharp is a leading global specialist in solar energy solutions. And not just since yesterday - over 55 years' experience is a testament to our heritage, know-how and reliability. We create energy in an environmentally friendly way and use it wisely to enable a more comfortable lifestyle, making a positive contribution to society on a global scale.

- Solid company with reliable quality
- Financial stability
- Top PV brand award
- Local Presence
- High PV Module Performance & Efficiency
- Technology leadership
- Product and performance guarantee
- Robust product design
- Worldwide support

Millions of customers worldwide are already using energy solutions from Sharp. Together we make a great contribution to the environment. Whether for private or for business customers, we think solution-oriented and offer each client the perfect products and services.

“As a globally established company, we can support customers’ requirements at almost every location all over the world”



WHY SOLAR?

“The sun is a clean, safe, and limitless energy source.”



SHARP
Be Original.



A solar energy system is a long-term investment. In order to be satisfied with your decision for a long time, you should be able to rely on the quality. Sharp's 100 year history and more than 55 years of experience in solar technology give you confidence for your investment.



TOTAL SOLUTIONS

“Quality and Reliability”

Sustainability in construction is becoming increasingly important. With us you get the ideal energy solutions, be it for a residential property or an industrial building. With our products, you can reduce energy costs, increase the value of the property, and clearly show that you are making a contribution to environmental protection.



OUR PRODUCTS

Using breakthrough technology, made possible by over 55 years of proprietary research and development, Sharp's solar modules incorporate an advanced surface texturing process to increase light absorption and improve efficiency. The solar modules are designed to withstand rigorous operating conditions and offer high power output per square foot of solar array.



PV MODULE



Monocrystalline PV module



Polycrystalline PV module



Black Solar*

*For sales in certain countries





OUR SERVICES

Sharp provides comprehensive engineering and consulting services that provide the best results for customers' project. Our experts possess decades of engineering experience and apply this knowledge to the everyday challenges. Sharp works closely with customers to provide innovative, affordable solutions. We deliver improved efficiencies while reducing cost and risk by optimizing the use of energy.

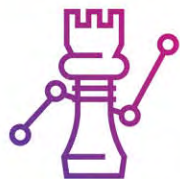
Our engineering and design services range from planning and permitting through preliminary and detailed design to start-up and commissioning for all types of projects.



PROJECT MANAGEMENT



Project
plan



Risk
Management



Cost
analysis



Communication
plan



Project
progress



Procurement
management



Document
management



Reports

TURNKEY EPC **(ENGINEERING PROCUREMENT & CONSTRUCTION)**

Our engineering, procurement, and construction (EPC) team provides bankable, innovative, and reliable solar energy solutions to customers around the world. From initial planning to project closure, we encompass a complete set of skills to complete your project beyond your expectations.



ENGINEERING SERVICES

- Design the plant layouts
- Cost calculation
- Yield analysis
- Technical planning : conceptual, basic and detailed engineering
- Consultancy



PROCUREMENT SERVICES

- Finalization of the project plan
- Supplier selection
- Milestone planning and project controlling



CONSTRUCTION SERVICES

- Construction site management
- Installation
- Quality inspection
- Commissioning and handover of the turnkey project

O&M (OPERATION & MAINTENANCE)

Sharp provide complete operation & maintenance services. We understand that after the construction, the sustainability is dependent on appropriate and sufficient operations and maintenance over short, medium and long term timelines.

We protect solar power plants and ensure its maximum power production by the essential operation and maintenance. From power generation status monitoring to inspection and management of the supporting system, we provide backup service to our customers' power plant during all years of operation.

We are glad to assist our customers with the best O&M services.



EXPERIENCES

Sharp will continue doing what is both its mission and its joy: provide products, services and technologies that help make society a better place.

WORLDWIDE

Solar Farm :



Darkhan-Uul,
Mongolia 10 MWdc



California,
USA 57.7 MWdc



California,
USA 6.3 MWdc

Solar Rooftop :



Chennai, India 406.8 kWdc



Munich, Germany 16.8kWdc



Thuringen, Germany 340 kWdc

Floating Solar :



Singapore, 100 kWdc

JAPAN

Solar Farm :



Fukuoka, 6.8 MWdc



Gunma, 2.2 MWdc



Tochigi, 13.9 MWdc



Hokkaido,
45.6 MWdc



Tottori,
Japan 42.3 MWdc



Oita,
25.2 MWdc



Hiroshima,
13.7 MWdc

Solar Rooftop :



Kumamoto,
600 kWdc



Kumamoto,
500 kWdc



Kumamoto,
400 kWdc



Residential
Solar Roof top



Haneda Airport, 2MWdc



Sharp Kameyama Factory, 112 kWdc

THAILAND

Solar Farm :



Lopburi, 84 MWdc



Lopburi, 52 MWdc



Lopburi, 10 MWdc



Lopburi, 2.5 MWdc



Prachinburi, 44 MWdc



Surin, 3.5 MWdc



Udonthani, 2.4 MWdc



Khon Kaen, 2.4 MWdc



Nakhonsawan, 1 MWdc



Mahasarakham, 1 MWdc



Chiangmai, 702 kWdc



Supanburi, 102 kWdc



Kanchanaburi, 102 kWdc



Phetchaburi, 102 kWdc

Solar Rooftop :



Rayong, 3.4 MWdc



Rayong, 1.4 MWdc



Rayong, 0.6 MWdc



Samutprakarn, 2.5 MWdc



Phayao, 500 kWdc



Chachoengsao, 588 kWdc



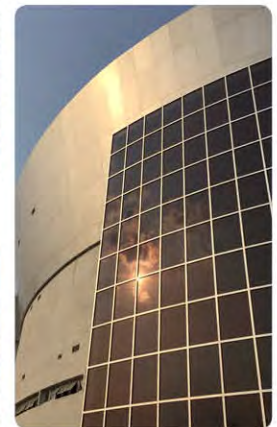
Chachoengsao, 378.04 kWdc



Chonburi, 400.4 kWdc



Cha-am, 350 kWdc



Nonthaburi, 13.755 kWdc



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