

About Software Cradle

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Software Cradle, part of Hexagon's Manufacturing Intelligence division, is an innovative provider of computational fluid dynamics (CFD) simulation software. Established in 1984, the company has pursued to offer unique, innovation focused, and highly reliable CFD solutions that enhance customers' product quality and creativity. In 2016, the company joined MSC Software Corporation, the worldwide leader in the field of multidiscipline simulation. As a truly global company, Software Cradle delivers all-inclusive multi-physics solutions. Learn more at www.cradle-cfd.com. Hexagon's Manufacturing Intelligence division provides solutions that utilise data from design and engineering, production and metrology to make manufacturing smarter. For more information, visit hexagonmi.com.

Learn more at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).



Head Office (Osaka)



Tokyo Office



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Corporate Brochure

Outline

Company Name	Software Cradle Co., Ltd.
Established	March 22, 1984
Number of Employees	49 [approx. 1,300 employees under MSC Software group] (as of December 31, 2019)
President and CEO	Makoto Shibahara
Locations	Osaka, Tokyo and Nagoya (Japan)
Businesses	<ul style="list-style-type: none">• Development of numerical calculation software• Development and provision of CFD (Computational Fluid Dynamics) software• Software product planning and marketing• Support for MSC Software's engineering and sales operation
Our Main Users (alphabetical order)	Canon Inc., Carnegie Mellon University, Caterpillar Inc., CSBC Corporation, Daihatsu Motor Co., Ltd., DENSO Corporation, École Centrale de Lyon, FAW Group Corporation, Ford Motor Company, Honda R&D Co., Ltd., Hyundai Motor Company, Kawasaki Heavy Industries, Ltd., L&T Construction Equipment Ltd., LG Electronics Inc., Mahindra Two Wheelers Ltd., Malaysian Agricultural Research and Development Institute, Massachusetts Institute of Technology, Mitsubishi Electric Corporation, National University of Singapore, Nikon Corporation, Panasonic Corporation, Samsung Electronics Co., Ltd., Sharp Corporation, Toshiba Corporation, Toyota Motor Corporation, Valeo Systemes Thermiques SAS, Yamaha Motor Co., Ltd.

* All company names, products and service names mentioned are registered trademarks of their respective companies.
* Contents and specifications of products are as of December 31, 2019 and subject to change without notice.
We shall not be held liable for any errors in figures and pictures, or any typographical errors in this brochure.



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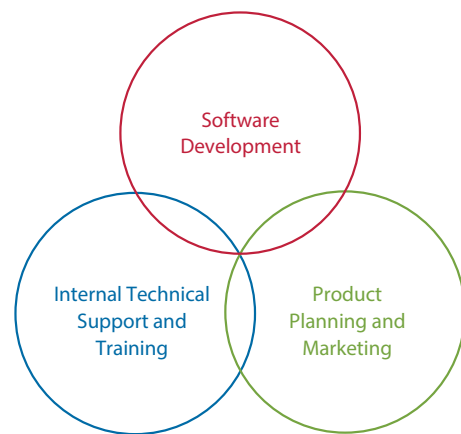
Software Cradle Co., Ltd.

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Software Cradle Co., Ltd.

Software Cradle Works as a Pioneer in the CFD Field

Software has become indispensable in modern society. Since established in 1984 as a thermo-fluid simulation software company in Japan, Software Cradle has been dedicated to deliver consistent, customer focused services through product development, planning and marketing, as well as sales and technical support we provide to group companies. Using our highly technical expertise and experience, we strive to be a trusted partner for every design and development engineer in manufacturing sector.



- 1984 Limited company Software Cradle established
Released **scSTREAM**
- 1985 Tokyo office established
Organization changed into Software Cradle Co., Ltd
- 1987 Released **SCRUYU and Atrac**
Head office relocated to Yodogawa-ku, Osaka
- 1997 Released **scSTREAM for Windows**
- 1998 Released **HeatDesigner**
Released **SC/Tetra for Windows(for Japan)**
- 2001 Released **SC/Tetra for Windows overseas**
- 2002 Released **CADthru**
SC/Tetra and HeatDesigner received "Technical Award from the Japan Society of Mechanical Engineers Kansai Branch"
- 2005 Cumulative sales of scSTREAM exceeded 1000 copies
Awarded by METI* for contribution to the development of information systems * Ministry of Economy, Trade and Industry
- 2007 Tokyo sales office promoted to Tokyo branch office
Headquarters relocated to Kita-ku, Osaka
- 2008 Cradle North America Inc. established
- 2010 Tokyo office relocated to Gate City Ohsaki
- 2011 Applied Thermal Fluid Analysis Center, established in Taipei, Taiwan
- 2013 ContraVolts InfoTech Pvt. Ltd. in India established
Cradle North America Inc. France Office established
- 2015 Released **PICLS**
- 2016 Released **scFLOW**
Software Cradle joined MSC Software Corporation
- 2019 Shifted business operation to software development and planning due to MSC Software group restructuring

President Message

Delivering the solutions for potential users
—Software Cradle strives to pursue true usability



As reflected in the company name, Software Cradle technology has been nurtured, cultivated and refined by user feedback. Our user-motivated policy has been consistent since first established in 1984, and we have been pursuing to develop CFD tools that are truly practical for all users.

Our products and solutions, developed over 35 years, are highly competitive and remarkable in uniqueness. Having gained the confidence and incentive for further expansion for the global market, we have decided to accelerate MSC Software and Hexagon group integration, where software development and planning become essential part of Cradle's business operation. We strive to achieve complicated simulations, even the ones the world thought were impossible, through advancing CFD capability and integration with related products from group companies.

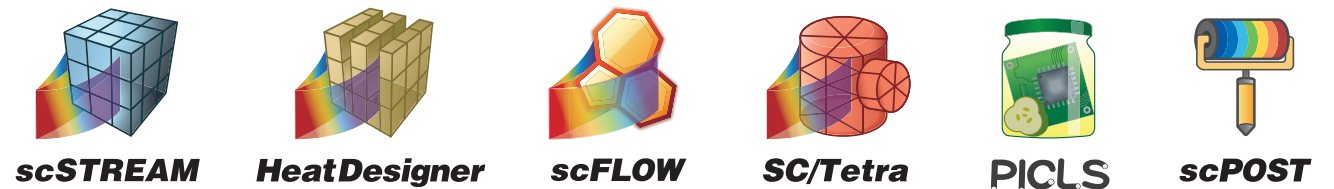
Our value remains unchanged. Software Cradle continues to serve the best CFD solutions for the existing and potential users across the globe.

Makoto Shibahara
President and CEO
Software Cradle Co., Ltd.

Main Products and Services

Main Thermo-fluid Analysis Software Products

Software Cradle develops and provides supports for the general-purpose 3D thermo-fluid analysis systems with two types of mesh gridding method: The software scSTREAM and HeatDesigner with structured mesh, and the software SC/Tetra and scFLOW with unstructured mesh, as the mainline products. The company also provides PICLS, a thermal simulation tool for printed circuit boards with simple 2D operations and real-time temperature distribution results online, and scPOST, Cradle Postprocessor that visualizes analysis results calculated in solver.



Business Operation beyond Product Development

Technical Support for Sales Team



Various kinds of training courses

Various trainings are given by our Application Engineers to group sales representatives and support engineers in different regions, to help them build excellent understanding of Cradle products.

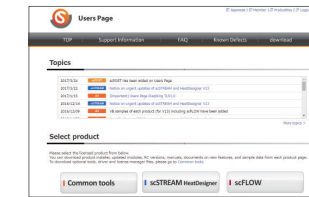
Promotion for Users



Trade shows and academic conferences

In order to spread product awareness and promote CFD benefits, Cradle exhibits and attends to trade shows and academic conferences, in some cases gives presentations in locations across globe where MSC Software business operation takes place.

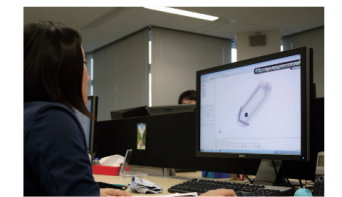
Technical Support for Overseas Engineers



Technical support by professional engineers

Software Cradle products are now available to worldwide users through MSC Software sales channels. We help our group sales representatives with technical support to ensure all users gain the benefit of our CFD tools.

Product Evaluation



Evaluating the latest and existing features

Our engineers evaluate new feature performance to make sure they function as intended, as well as validating existing features in terms of accuracy and possible application uses.

Software Cradle: World's leading CFD technology company

Software Cradle has been dedicated to CFD software development for over 30 years. We have cultivated a diverse range of case studies, experience, technology, and human resources and have advanced to the point where our products are capable of satisfying user needs across the globe. As a truly global company, Software Cradle continues to deliver all-inclusive multi-physics solutions.



Proven practicality

Achieving 95% renewal rate, our products and services are highly credited for usefulness (figure from lease and support contracts in 2018).



Multiphysics co-simulation

Coordinates with 27 structural, acoustic, and other software to enable multiphysics co-simulation.



Trusted

Most of the 20 major corporations in Japan's prominent industries, such as electronics, automotive, and construction, are our users. The selection rate is 92%.