

CYBERNET SYSTEMS CO., LTD.

COMPANY PROFILE



CYBERNET SYSTEMS CO., LTD.  
[www.cybernet.co.jp/english/](http://www.cybernet.co.jp/english/)

2024.04



Creating a sustainable society  
and inspiring the world  
through technology and ideas



## Accelerating customer and societal innovation by creatively combining digital and scientific technologies.

Since its establishment in 1985, Cybernet Systems Co., Ltd. has provided digital solutions in computer simulation, cybersecurity, AR/VR, and medical image processing, as well as technical consulting services combining these technologies, mainly to R&D and design departments of manufacturing companies, universities, and government research institutes, and has been recognized as a group of engineers with expertise in both science and digital technologies such as computational physics.

In recent years, in addition to innovations in the manufacturing engineering chain using CAE, MBD, and MBSE technologies, we have expanded the scope of our solution offerings to areas related to the advancement and efficiency of the supply chain using PLM and IoT. In the area of cybersecurity, we have also established a system to deliver multiple state-of-the-art solutions that address the latest threats.

In addition, we are leading the industry as a pioneer in medical AI by being the first company in Japan to obtain medical device approval and public health insurance coverage for software as a medical device.

Our strength lies in our corporate culture of integrity and commitment to our customers and partners, the technological capabilities we have developed over the years, and our pioneering spirit. We will continue our efforts to accelerate our customers' innovation and contribute to solving social problems.

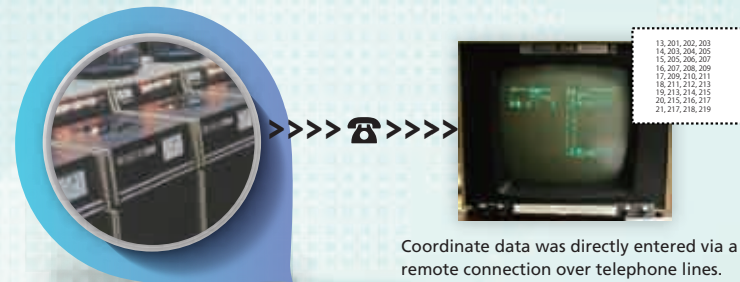


Representative Director,  
President and Chief Executive Officer  
**Yoshiharu Shiraishi**

# CYBERNET is contributing to achieving a brighter future with simulation technology.

## The Dawn and Development of CAE

In an era prior to CAE technology becoming common around the world, CDC Japan Co., Ltd., the former incarnation of CYBERNET, began offering a remote computing service that used a super computer to calculate the strength of complex structures such as aircraft and automobiles. Since its establishment in 1985, CYBERNET, in anticipation of higher performance of design workstations and PCs, has undertaken the sale of CAE software packages and provided technical support services in a range of industries.



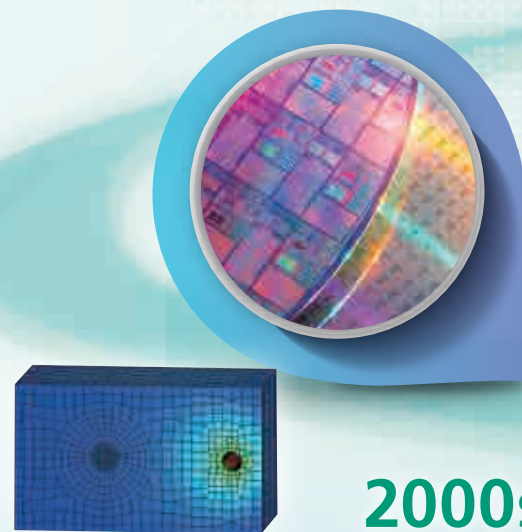
"Cyber170" manufactured by CDC \*1

1980s

Coordinate data was directly entered via a remote connection over telephone lines.

## Increasing Use of 3D Design and Analysis Tools

The appearance of many commercial software packages capable of performing optimization and coupled analysis quickly made CAE an indispensable tool for design and development. In particular, structural and fluid analysis integrated in 3D CAD came to be increasingly used, not only by simulation engineers but also by design engineers. CYBERNET strengthened its business of deploying advanced solutions from European and American startups in Japan, solutions that included nanotechnology, simulations for drug development, next-generation LSI design, and innovation support solutions. CYBERNET also pursued the M&A of product development companies and expanded its CAE engineering services.

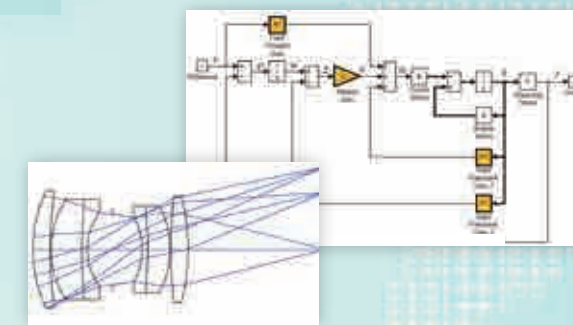


2000s

## The Growth of Simulation

Once it became possible to link CAE and 3D CAD, CAE rapidly spread to the frontline of design. CYBERNET expanded its service to information-based simulations including control systems, and laid the foundations for what is today called MBD/1D CAE. The company also helped to bring simulation technology to fields in which CAE had not previously been utilized, such as lens design. Furthermore, CYBERNET also began offering cybersecurity products even before the start of the full-fledged Internet era.

1990s



2010s to Present

## Moving to DX Leveraging IoT and AI

We have now entered an age in which networks that enable high-speed high-capacity communication, 5G and other such mobile communication technologies, and the spread of high-performance terminals have made large scale computing possible at any time and in any place.

Among other things, CYBERNET undertakes development of smart factories that implement predictive maintenance of plant facilities by combining IoT, AR, and digital twinning. Also, CYBERNET has developed technology to visualize the results of CAE analysis in VR spaces, and software in which AI supports diagnosis by analyzing medical images.

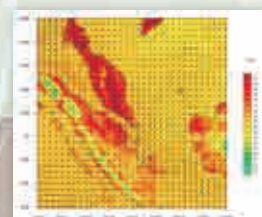
We are also enhancing cloud services and the lineup of products to meet the growing needs for security and IT asset management.



## Into the Future...

### Pursuing Sustainability for Daily Life, Society, and the Earth

We will expand the potential of simulation-based prediction technology into all areas, and become a corporate group that proactively leads the way in tackling problems faced by society. With solutions that combine technologies across the multiple CAE fields in which CYBERNET specializes, we will contribute to the realization of a brighter future.



Example display of temperature maps by region (from Global Data Assimilation System) \*2



\*1 :Source: CONCORDIA UNIVERSITY, B.A. INFORMATION TECHNOLOGY MANAGEMENT

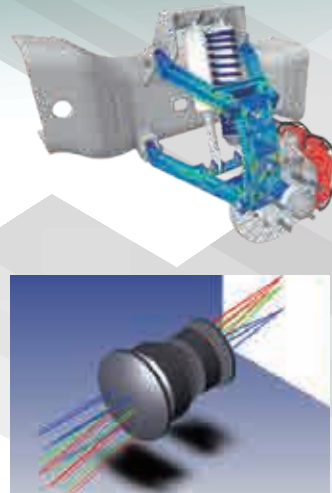
\*2 :Source: Li, Shiyong (2020), "System Analysis of Mesoscale and Microscale Urban Climate Simulation Workflows", p.16, Figure 2.1.5

# CYBERNET services to support DX with simulation and peripheral technologies.

## CAE (Computer Aided Engineering)

### Total support for CAE utilization in a broad range of simulation fields

CAE is a technology that uses a model designed on a computer to perform simulation and analysis at the R&D phase of manufacturing instead of the conventional method of using a prototype to perform tests and experiments. We support the resolution of increasingly complicated and sophisticated design challenges by providing a wide range of CAE solutions. These include mechanical CAE (analysis of stress, heat, vibration, noise, fluids, powders, etc.), optical CAE and measurement systems (development/measurements of cameras, lights, micro optical elements, laser systems, on-board devices, etc.), electronic CAE (EMC design of antennas, electronic devices, etc.), control CAE (development of controllers for automobiles and electronic devices, etc.), and CAE information platforms. We are also expanding the areas in which we provide CAE services beyond manufacturing to include healthcare, energy, agriculture, and more.



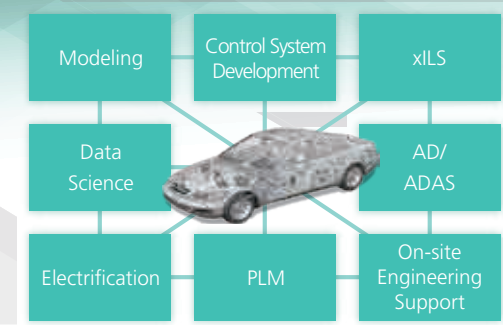
#### Main products offered

- Ansys® CAE software that allows engineers to flexibly analyze the physical phenomena in areas such as structures, fluids, electromagnetic fields, and optics
- EDURUNS An online learning portal covering a wide range of content, from fundamental CAE theory to operations and practical skills
- Flownex®Simulation Environment 1D CAE software specialized for circulation systems such as turbines, pumps, and combustors
- CETOL6 σ 3D tolerance analysis software based on the approach of tolerance management
- Neural Concept Shape Deep learning AI construction software

## MBSE/MBD

### Supporting the improvement of increasingly complex development processes

As seen in the shift to EVs in automobiles, MBSE/MBD is attracting attention because of the importance of managing the vast business processes of product development, which are rapidly becoming more and more complex.



#### MBSE (Model-Based Systems Engineering)

MBSE is a model-based development method that covers the entire development process from system requirements analysis to verification across multiple fields of expertise. The CYBERNET Group supports the implementation of MBSE by providing consulting services to improve business processes related to customers' product development, and by utilizing our self-developed tools.

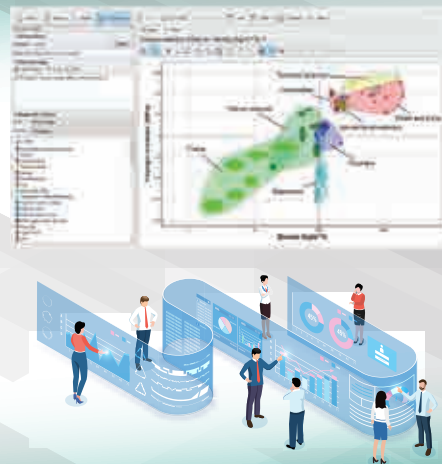
#### MBD (Model-Based Development)

MBD is a development support technology that enables development and verification to proceed in parallel at an early stage of the design process, using computer models generated by mathematical formulas to create specifications and perform verification. The CYBERNET Group supports a series of model-based development processes with advanced modeling technology that we have built up over many years.

## Platform

### Provisioning of platforms to support the use of information assets

For example, in the manufacturing domain, growing customer needs and the requirement to adapt to new technologies have resulted in products requiring functionality that is becoming increasingly complex and advanced. As such, we have to manage rapidly expanding information on products, designs, and materials. CYBERNET Group provides support for the construction of platforms to centrally manage and strategically leverage the range of information that customers possess, and for business improvements concerning the effective utilization of such information.



## IoT/XR

### Linking people, things, and data with advanced digital solutions

IoT (Internet of Things) is a technology to connect all things to a network. The CYBERNET Group offers the technologies to monitor factory production volume and the operating status of facilities and equipment in real time, and to analyze them using AI to achieve more optimal operating conditions. Furthermore, we provide onsite feedback by using visualization technology such as AR/VR/MR technology and future forecasting using Digital Twin linked to CAD/CAE data.



#### Main products offered

- ThingWorx Industrial IoT solution platform
- Vuforia AR development platform
- EndoBRAIN®Series AI-based diagnostic software to support colonoscopy imaging

## Cyber Security

### Supporting transformation to a digital enterprise with security solutions

In this age where digital technology and the Internet have made remarkable progress, and all forms of technical information are shared and imitated around the world in the blink of an eye, it is essential to properly manage cybersecurity risks while making maximum use of data and digital technology. With a solid foundation of knowledge relating to cybersecurity, computer networks, and data science. CYBERNET provides advanced solutions for cyber defense, security risk management, and other areas that help achieve business continuity and reliability, and support transformation to a digital enterprise.



#### Main solutions offered

- Endpoint security
- Cloud security
- IT asset management



Contracted Development Vendors  
Over **35** companies.



**52%** of Group employees  
are engineers.  
(As of January 2024)



Business partners with over  
**2,100** enterprises and  
**300** universities / research institutes.  
**92%** of the leading manufacturing companies\*  
in Japan are our customers.

\*Based on the top 100 listed companies by sales volume over the past three years, excluding food and non-manufacturing industries. (As of January 2024)

# CYBERNET leverages our global network to support our customers in solving their problems.

We have built a global network linking approximately 20 overseas software development vendors (including 3 subsidiaries). With this network, we can share customer requirements as valuable feedback for developing new products, adding new features, and updating products. This contributes to the implementation of enriched CAE environments. CYBERNET aims to become a leading company in simulation by fully utilizing close collaboration with development vendors and subsidiaries to solve customer problems and provide breakthroughs that lead to further innovation.



Europe



Asia



North America

## CYBERNET MBSE Co., Ltd.

Arca Central 14F, 1-2-1 Kinshi, Sumida-ku, Tokyo, Japan  
Tel: +81-3-6853-6777

Provides process reform consulting using model-based systems engineering, model building, training, and other contract services, and develops/sells related software.

<https://www.cybernetmbse.co.jp/>



## CYBERNET SYSTEMS (SHANGHAI) CO., LTD.

Rm. 528, No. 777 Zhaojiabang Road, Shanghai, China  
Tel: +86-21-6422-7122  
Other locations: Shenzhen, Chengdu, Beijing(China)

Provides total CAE solutions, including sales of various software/hardware, technical support, consulting, and contract analysis services to manufacturing companies, universities, and government research institutes in China.

<https://www.cybernet.sh.cn/>



## Sigmetrix, L.L.C.



Valliance Plaza, 5900 South Lake Forest Suite 400  
McKinney, TX 75070, U.S.A.  
Tel: +1-972-542-7517

Provides development, sales, and consulting services for various solutions related to tolerance analysis, including the 3D tolerance analysis tool "CETOL 6σ".

<https://www.sigmetrix.com/>



## CYBERNET SYSTEMS TAIWAN CO., LTD.

No. 178, Sec. 2, Gongdao 5th Road, Hsinchu, Taiwan  
Tel: +886-3-611-8668

Provides total CAE solutions, including sales of various software/hardware, technical support, consulting, and contract analysis services to manufacturing companies, universities, and government research institutes in Taiwan.

<https://www.cybernet-ap.com.tw/>



## CYBERNET SYSTEMS MALAYSIA SDN.BHD.

SO-32-3A Menara 1, KL Eco City, Jalan Bangsar,  
59200 Kuala Lumpur, MALAYSIA  
Tel: +60-3-2201-1221

Provides total CAE solutions including various software sales, technical support, education, consulting, and contract analysis services to manufacturing companies, universities, and government research institutes in the ASEAN region.

<http://www.cybernet.asia/>



## Maplesoft



615 Kumpf Drive Waterloo, Ontario, CANADA  
Tel: +1-519-747-2373  
Other locations: Aachen (Germany), Cambridge (UK), Tokyo (Japan), Shanghai (China)

Provides mathematics-based software development/sales and consulting services, including the STEM computing platform "Maple" and the system-level modeling and simulation environment "MapleSim".

<https://www.maplesoft.com/>



## Simulation

- Apex Channel Partner (Ansys, 2024)
- Elite Channel Partner for 9 consecutive years (Ansys, 2015-2023)
- FY23 Japan Top CAD Business Partner (PTC Japan)
- FY23 Japan Top IoT&AR Business Partner (PTC Japan)
- TOP Renewal Performer (Ansys, 2020-2021)
- Marketing Excellence & Agility in 2020 (Ansys)
- Channel Partner of the year APAC 2019 (Ansys)

- The Japan Society for Computational Engineering and Science: Young Technical Researcher Award 2022
- The Japanese Society of Medical Imaging Technology: Annual Distinguished Achievement Award 2021
- Society of Automotive Engineers of Japan: 2020 Technological Contribution Award, Automobile Control and Modelling Department Committee

## Cyber Security

- FY23 Special Project Award (ACCURIS)
- Outstanding Partner Award (OneLogin, 2016-2019, 2021)
- Fantastic Customer Management Award 2021 (Netskope)
- BEST GROWTH 2020 (Netskope)
- BEST SUPPORT 2020 (Netskope)

\*From 2019 onward

## Noesis Solutions NV



Gaston Geenslaan, 11 B4 3001 Leuven, BELGIUM  
Tel: +32-16-317-040

Other locations: Novara (Italy), Köln (Germany), Shanghai (China)

Development and sale of interdisciplinary solutions for solving technical problems, such as the optimum design support software "Optimus", and provision of consulting services.

<https://www.noesisolutions.com/>



# Advanced expertise bolstered by over 30 years of experience.

Our company history overlaps with the development of Japan's manufacturing industry.

## History



## Corporate Data

Company Name	Cybernet Systems Co., Ltd.
Established	April 17, 1985
Representative Director	Yoshiharu Shiraishi
Paid-in Capital	¥995 million
Consolidated net sales	¥21,546 million (As of December 2023)
Employee number	594(Consolidated), 357(Non-Consolidated)(As of December 31, 2023)
Business	<ul style="list-style-type: none"> <li>○ Sale and development of software (CAE, MBSE/MBD, AI, IoT, AR/VR, medical imaging diagnosis support, security, etc.)</li> <li>○ Engineering services (contract analysis, system development, consulting, technical support, introduction support seminars, CAE comprehensive education)</li> </ul>

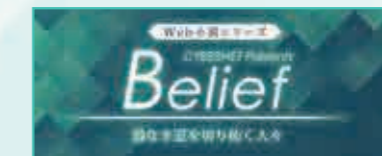
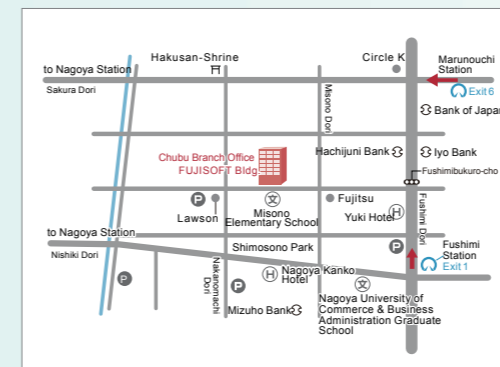
### Locations

**Head Office**  
FUJISOFT Bldg. 3 Kanda-neribeicho,  
Chiyoda-ku, Tokyo 101-0022, Japan  
Tel: +81-3-5297-3010

**Nishi-Nihon Branch Office**  
Midosuji Honmachi Bldg., 5-7, Honmachi 3-chome,  
Chuo-ku, Osaka 541-0053, Japan  
TEL: +81-6-6267-2670



**Chubu Branch Office**  
FUJISOFT Bldg., 6-26, Nishiki 1-chome, Naka-ku,  
Nagoya 460-0003, Japan  
TEL: +81-52-219-5900



"Belief" is a series of web novels featuring people who are involved with simulation.  
[www.cybernet.co.jp/belief/](http://www.cybernet.co.jp/belief/)

