

HIVEC's ADVANTAGES

Our advantages are summed up as follows.

- ✓ *Business entity invested by 13 automotive business related companies*
- ✓ *Integrated technological collaboration in works ranging from design to preparation technology*
- ✓ *Establishment of international engineering collaboration*
- ✓ *Main Design Center with reliable concealment security for respective projects*
- ✓ *Wide range of development results of automotive, railway vehicle and agricultural machinery*



- ✓ *Capable to develop products with high quality, yet with no retrogression*
- ✓ *Capable to reduce delivery time and development cost*
- ✓ *Capable to adjust cooperation scope to customer's request*
- ✓ *Capable to collaborate with not only Japanese but also Asian and European automotive parts suppliers*

HIVEC Inc.

Hiroshima Vehicle Engineering Company



HIVEC Inc.

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

Head Office / Main Design Center

2-1-21 Nishiosawa, Higashihiroshima, Hiroshima, Japan 739-0037
Phone: +81-82-490-0700 Fax: +81-82-490-0710

Tokyo Design Center

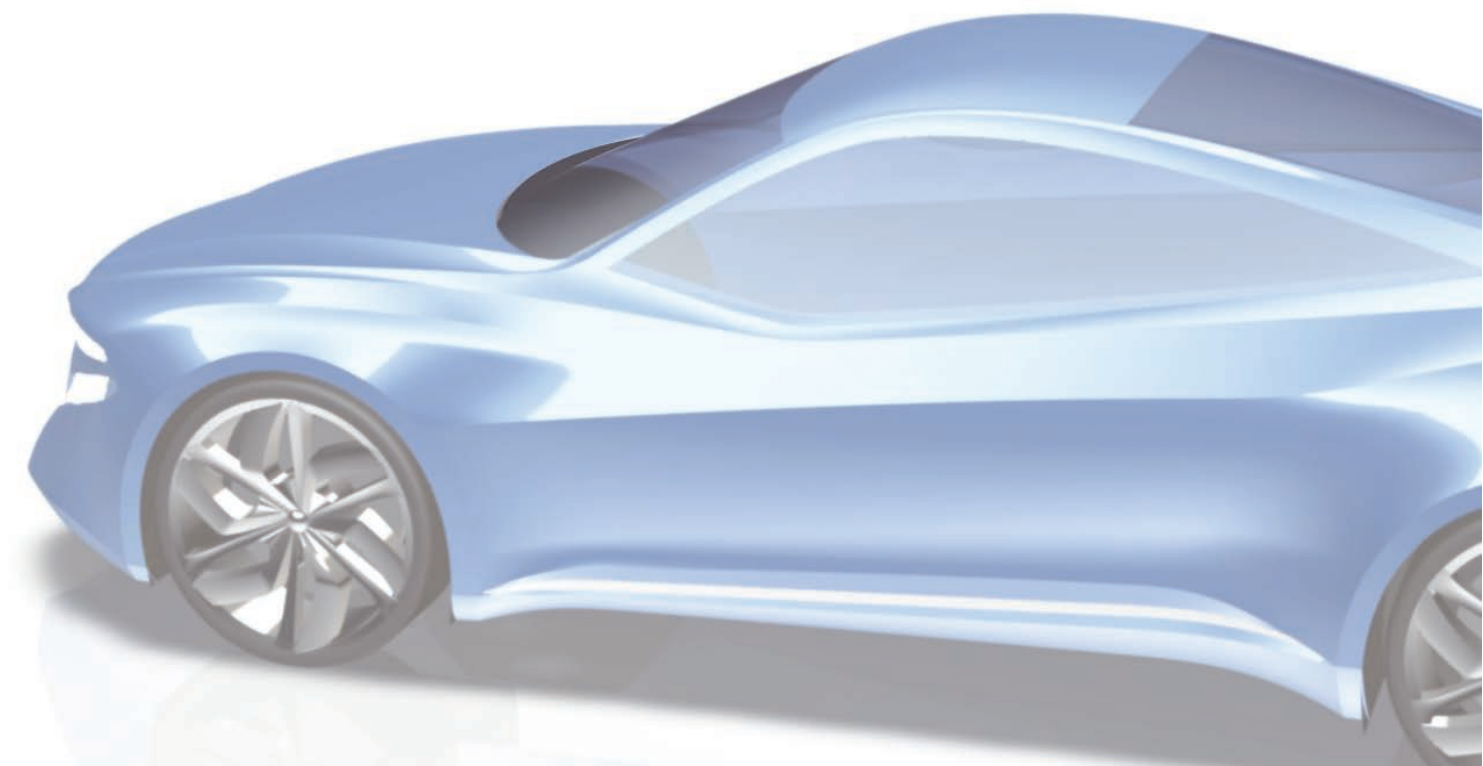
DainiEikou Bldg. 2nd Floor, 1-5-7 Onna, Atsugi, Kanagawa, Japan 243-0032
Phone: +81-46-297-0589 Fax: +81-46-297-0585



HIVEC RHINO TECHNOLOGIES Pvt. Ltd.

<http://www.hivecrhino.com>

Plot No.2, 3, 4 Vellanthangal village (Opp. SIPCOT Arch) Irrungattukottai,
Sriperumbudur Taluk, Kanchipuram, District, Chennai - 602105, India
Phone: +91-44-37106262

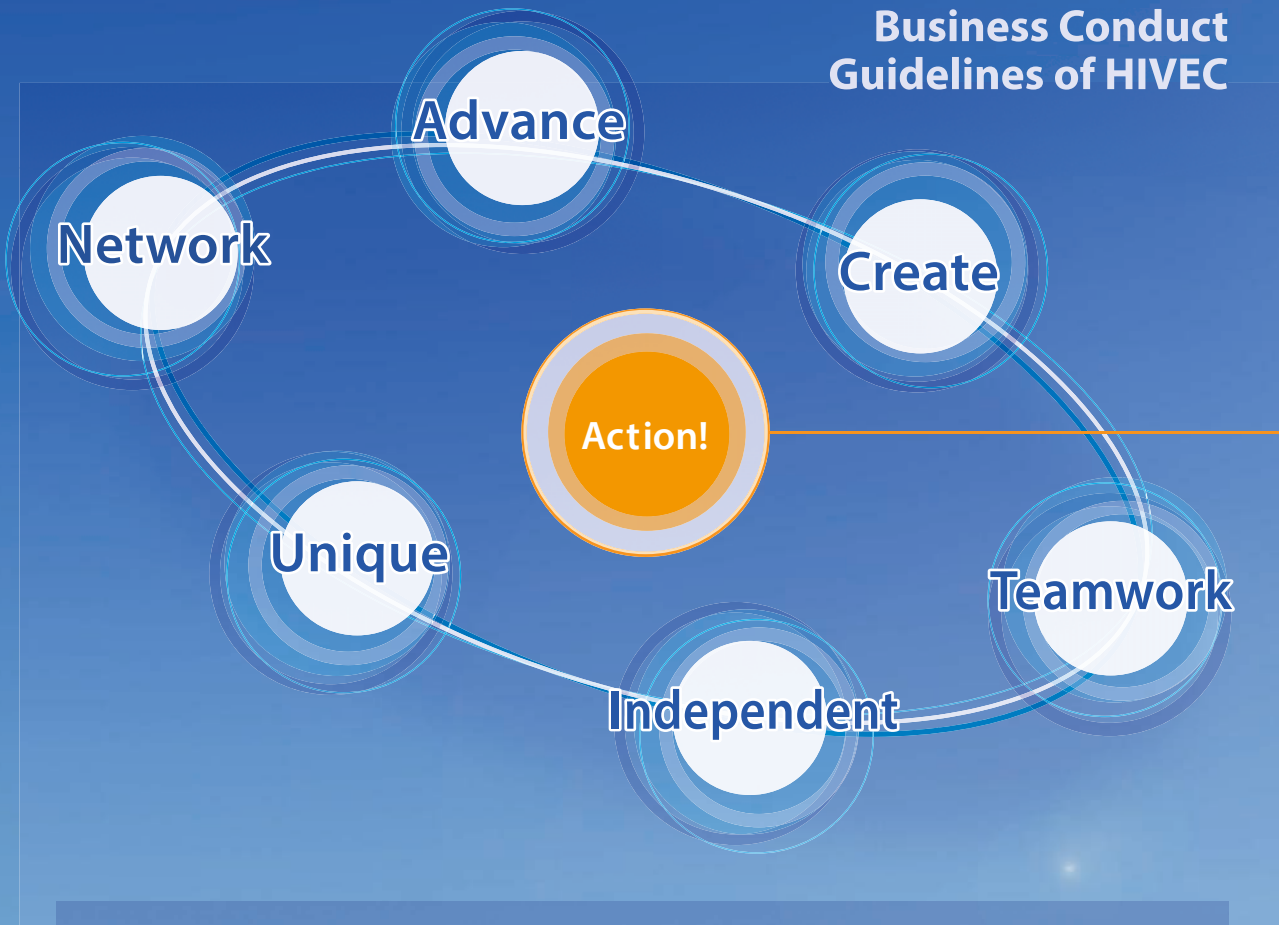




Yes, We Can!

From Hiroshima to the World - From Automobile to all Moving Objects - We realize our dream.

Business Conduct Guidelines of HIVEC



Management Principles

1. Contribute to satisfaction of every customer and employee happiness.
2. Try to improve our engineering skill, considering marketability.
3. Develop human resources with the inquiring and challenging mind to pursue new technique.
4. Perform the service actively based on the latest and accurate information.
5. Aim for the top company in the industry strongly.

Quality Policy

We always improve our skill and provide precise services to satisfy customers, and aim to gain our customers high evaluation and trust by constant improvement.

1. Improving our technology

We provide high quality technologies and services to satisfy customer requirements by responding the change of market and improving our technology.

2. Emphasizing customer satisfaction

We make effort continuously to increase customer satisfaction by improving our technologies and services.

3. Executing and improving quality management system

We aim to receive higher evaluation and build customer trust further by improving effectiveness of quality management system.

Environment policy

Bear in our mind to realize sustainable society, with innovative concept, aim to proceed daily activities so that will contribute to our customers and local society.

1. Decrease environmental load

Comply regulations of environmental conservation, aim to improve our business effectiveness and reinforce our management foundations.

2. Activation of Employee

Conduct management considering environment, aim to proceed employee activation and build to be sustainable company.

3. Continuity of environment improvement

Set environment goal, proceed continued improvement to utilize environment management system.



MAKING HIROSHIMA A BASE FOR AUTOMOTIVE DESIGN AND DEVELOPMENT!

The automotive industry is presently experiencing a world-side shortage of development resources, and there has been expansion in outsourcing automotive development. Additionally, in emerging automotive nations, major area of business is advancing from production itself into product development sectors. Basing upon this tendency, preparations have been implemented by automotive related enterprises with the strong desire of "Making Hiroshima a base for automotive development in Asia". These preparations have resulted in the establishment of the automotive development company, HIVEC Inc., in May 2003. HIVEC has aimed to establish development system which accepts orders from automobile and parts manufacturers throughout the world for automobiles along with the combination of technical designs and prototypes, by assembling automobile-related technology and high skilled engineers in Hiroshima. Today, HIVEC has established system that can conduct automotive works ranging from design to mass production preparations. In addition, we are expanding our business field to railway vehicle and agricultural machinery by using our know-how of automotive development. We are trying to enter airplane development business, and aiming the synthetic engineering company in the future. HIVEC will strive forward aiming at "the global automotive development company" with our collaboration companies and our Indian subsidiaries and contribute to our customers and the society.

HIVEC alone can conduct automotive works ranging from design to production technical support.

HIVEC's BUSINESS AREA

| | |
|-----------|--------------------------|
| Hiroshima | Main Design Center |
| Tokyo | Tokyo Design Center |
| India | HIVEC RHINO TECHNOLOGIES |

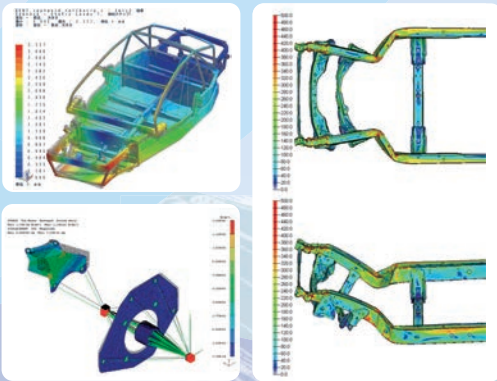
Design



Engineering



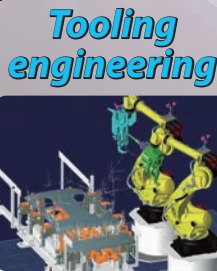
Analysis



Prototype



Vehicle testing



Production technical support

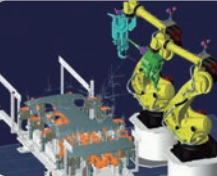


Mass production

Tooling production



Tooling engineering

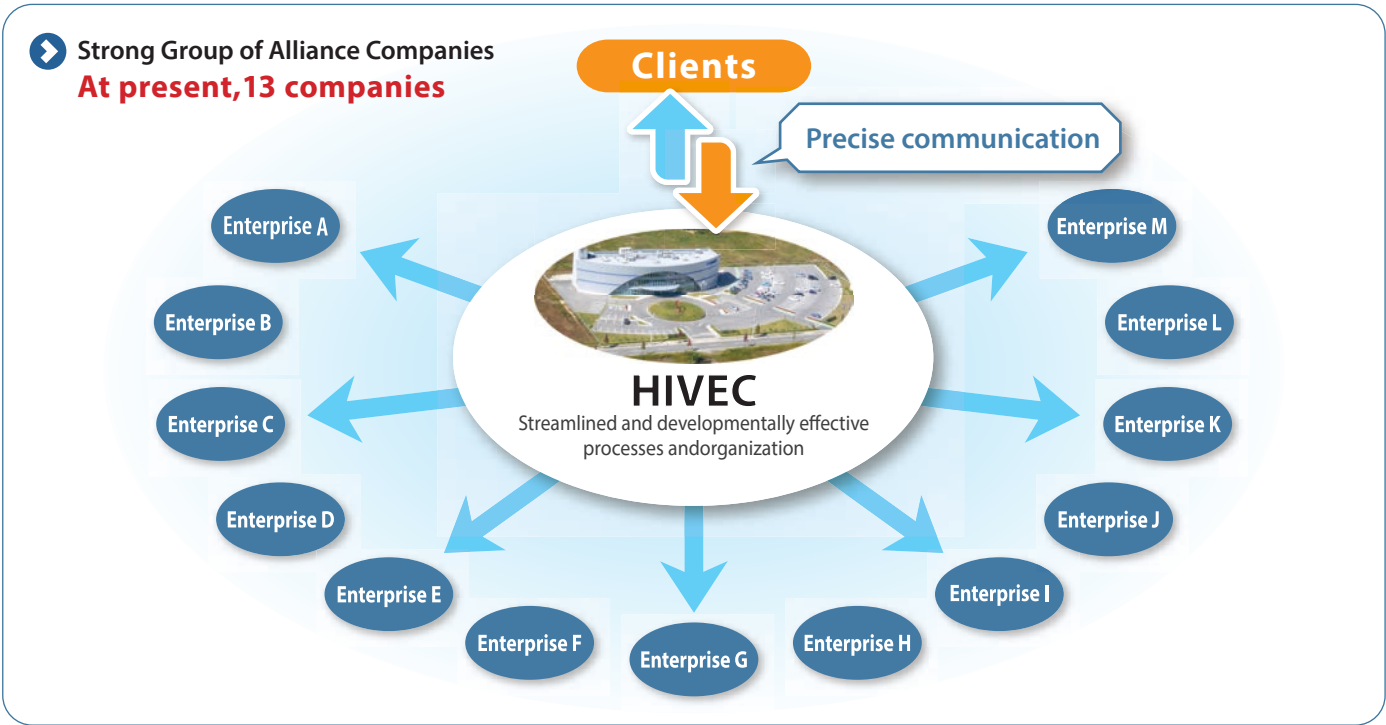


★Tokyo
★Hiroshima

★India

JAPANESE ALLIANCE COMPANIES

HIVEC can respond customer's demands by receiving orders with our alliance companies.



INTERNATIONAL
ENGINEERING COLLABORATION

We can execute effective development matching versatile needs from all around the world.

EDAG (EDAG JAPAN) GERMANY
JAPAN TOOL SERVICE RUSSIA
blue eng ITALY
Satven INDIA
TJ Innova CHINA
HIVEC Main Design Center JAPAN
HIVEC Tokyo Design Center JAPAN

● HIVEC's Bases
● Overseas Alliance Companies
● Overseas Clients

-We can develop products to match diversified needs in respective markets.
-We can develop products to securely incorporate all the regulations, market trends, etc. of respective markets.
-We can develop products with high quality in short period and inexpensive cost.

| | | |
|--|-----------------|---|
| blue engineering & design | Turin, Italy | http://www.blue-group.it/ |
| TJ Innova Engineering & Technology Co., Ltd. | Shanghai, China | http://www.tji.cn/ |
| JAPAN TOOL SERVICE | Moscow, Russia | http://www.jtools.biz/ |

We have established its own international engineering collaboration network among its collaborated companies and other 2 companies, TJ Innova in China, blue engineering in Italy, including marketing consultant in Russia, and EDAG in Germany through EDAG Japan.

HIVEC's ACTION

We act looking ahead to the future.



Benchmark for
Railway Vehicle

We aim speedy design and development for various projects through collecting the latest information about overseas railway vehicle around the world.



Development
Convert EV

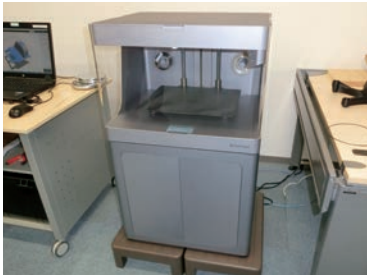
We have completed a prototype EV (electric vehicle) conversion as our first model. We accumulate EV technology and built relationship with industrial sectors through making EV and using as our company car.

Yes, We Can!



Contribution to
Sustainable society

In addition to automotive development, attempt to drive utilization of recycled materials, and contribute to sustainable socialization. First step, developed and started sales of automotive lead battery regenerator and charger.



3D Printer
introduction

In an attempt to further business expand, Carbone fiber combined 3D print was introduced. Development and manufacturing of Light weight and high strength parts are to made.

MAIN DESIGN CENTER

Under our reliable concealment security, clients can place orders by feeling reassured.

Reliable concealment security

- Recording images of visitors to Design Center through surveillance cameras.
- At the time of logging in PC or CAD, the users have the access only after being identified by the IC chips.
- Entrance to Computer Server Room or the Technical Data Library is limited only for those who are given additional passwords to.

Rich development environment, network & access

Cooperation with Academic and Research Facilities

HIVEC's Main Design Center is surrounded by plural numbers of universities and neighbored by Hiroshima Prefectural Science Park for possibilities of building up collaboration network between industry and the academic world.

Cooperation with Alliance Companies

With many of our alliance companies in this Higashihiroshima area, we will attain shorter period of development and further firming up the alliance.

Access

Main Design Center has excellent traffic access to Hiroshima Airport, Bullet Train Station, Sanyo Expressway and so on for faster connections with our clients.

Main Design Center



The design room



TV Conference Room



Teardown Room



Development Tools

We develop the most suitable tool and personnel organization according to demand of client.

Engineering

3D CAD
NX, CATIA-V5, Creo, Solid Works, iCAD MX, Autodesk Inventor

2D CAD
Autodesk AutoCAD

Analysis

HyperMesh, SimLab, HyperCrash, HyperView, HyperGraph, HyperGraph, NX-Nastran, RADIOSS, AcuSolve, Optistruct

Design, VR

Oculus, VIVE, 3ds Max, Alias, Adobe CC

GREETINGS



Takashi Shimizu

President of HIVEC Inc.

HIVEC Inc. was formed in May 2003, through the combination of Hiroshima City and local automotive enterprises, under the key phrase of "Making Hiroshima a base for automotive development in Asia". HIVEC is automotive development company with a new and unique concept which is not belongs with any automobile manufactures company.

Since the establishment time, by this basis of the warm support of all of you and by daring employee challenge power, we built up the collective trustee business system of coherent duties from development to production preparations, simultaneously HIVEC is extending and enlarge the business field to railway vehicle and agricultural machinery by using the know-how from the development of the automobile, thus, we are receiving high evaluation from customers in this field.

In these days, the automotive industry is rapidly accelerating its globalization with relation to rapid development of developing countries. To meet this globalization we established our Subsidiary in India in 2013. In addition to realize our initial goal, "to be global automobile development company", HIVEC is aiming the company which is synthesis engineering firm company at the axis of automotive development technique with all energetic staffs always.

At present, with a rapid progress of lot-AI, automotive industries went into a century revolution era. HIVEC was selected as "Earth Future towing companies" 2018 by METI. HIVEC started SDGs activities 2019 in an attempt to realize "Sustainable world". Not only pursue new technologies & have challenge spirits, but also with collaboration activities with Industry, Academy & government, HIVEC will so that further improvement of CS, and contribution for the society and the economy will be made.



ABOUT LOGO

The round symbol mark shapes the "H" of Hiroshima and the gradation of the blue water color expresses the state that technology of HIVEC spreads to the world.



地域未来牽引企業

EARTH FUTURE TOWING COMPANIES

On December 25th, 2018, HIVEC was selected as "Earth Future towing companies" by METI. This is to select regional core towing company that tackle attractive business. HIVEC was selected as one of the company.



SDGs

Under the Corporate philosophy, HIVEC have started SDGs activities since 2019 in an attempt to realize "Sustainable world". Based on the accumulated vehicle development technologies, evolve further understanding of SDGs, HIVEC will achieve to be a sustainable company, will realize happiness of our employees and will contribute for growth of societies.



ISO9001/14001

Acquired international Quality and Environment management systems. Applicable operation areas of the systems are for design and development of automotive, train and other equipment and for all the related sales and administrative activities at HIVEC Headquarter Design Center.

ALLIANCE COMPANIES

| | | | |
|---|---|---|--|
| C-COM CO., LTD. FUJI KIKAI KOGYO Co., Ltd. FUTABA KOGYO CO., LTD. GK Design Soken Hiroshima Inc. HIROTANI Co., Ltd. HIROTEC Corporation Imanishi Manufacturing Co., Ltd. | https://www.imanishi.co.jp https://next.oaproto.com http://www.ondo.co.jp/ https://sakurai-kikai.co.jp https://www.c-com.ne.jp https://www.gk-design.co.jp/dsh/ https://hirotani.co.jp | Masue Iron Works Co., Ltd. OAProto Corporation Ondo Corporation PRESS KOGYO Co., Ltd. Sakurai Kikai Co., Ltd. Y-tec Co., Ltd | https://www.hirotec.co.jp https://www.fujikikaikogyo.com http://www.y-futaba.co.jp/ https://www.presskogyo.co.jp https://masue.co.jp https://www.ytec-gr.co.jp |
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COMPANY OUTLINE

| | | | | | | | | | | | | | |
|--|--|-------------------------------------|------------------------------------|--|--------------------|---------------------------------|---------------|------------|--|-------------------|-------------|--|---------------|
| Company Name | HIVEC Inc. | | | | | | | | | | | | |
| Address | Head Office / Main Design Center : 2-1-21 Nishiosawa, Higashihiroshima, Hiroshima, Japan Tokyo Design Center : DainiEikou Bldg. 2nd Floor, 1-5-7 Onna, Atsugi, Kanagawa, Japan | | | | | | | | | | | | |
| Establishment | May 20, 2003 | | | | | | | | | | | | |
| Capital | 262.5 million yen | | | | | | | | | | | | |
| Business Content | 1: Styling, design, experiment, and prototype making of the automobile, other transportation machine, industrial and other machine, and the parts. 2: Planning and making industrial and commercial design. 3: Design and manufactures molds, jig and checking tool of automobile, other transportation machine, industrial and other machine, and the parts. 4: Business of engineering contract, intermediation, control and related export and import, sales, loan, repair, technical support, advice, and education for from No.1 to No.3 business. | | | | | | | | | | | | |
| Officers | <table> <tr> <td>President Takashi Shimizu</td><td>Auditor Yukio Ohkawauchi</td></tr> <tr> <td>Executive Managing Director Yoriyuki Ino</td><td>Teruyoshi Samejima</td></tr> <tr> <td>Director Seiki Takeno</td><td>Nobuyuki Miho</td></tr> <tr> <td>Masato Uno</td><td>Executive Officer Yoshimitsu Azuma</td></tr> <tr> <td>Hirofumi Imanishi</td><td>Tadao Nitta</td></tr> <tr> <td></td><td>Koichi Murata</td></tr> </table> | President Takashi Shimizu | Auditor Yukio Ohkawauchi | Executive Managing Director Yoriyuki Ino | Teruyoshi Samejima | Director Seiki Takeno | Nobuyuki Miho | Masato Uno | Executive Officer Yoshimitsu Azuma | Hirofumi Imanishi | Tadao Nitta | | Koichi Murata |
| President Takashi Shimizu | Auditor Yukio Ohkawauchi | | | | | | | | | | | | |
| Executive Managing Director Yoriyuki Ino | Teruyoshi Samejima | | | | | | | | | | | | |
| Director Seiki Takeno | Nobuyuki Miho | | | | | | | | | | | | |
| Masato Uno | Executive Officer Yoshimitsu Azuma | | | | | | | | | | | | |
| Hirofumi Imanishi | Tadao Nitta | | | | | | | | | | | | |
| | Koichi Murata | | | | | | | | | | | | |

| | |
|--------------------------------|---|
| Major Business Partners | Daihatsu Motor Co., Ltd. DaikyoNishikawa Corporation HIROTANI Co., Ltd. Hitachi, Ltd. Honda Motor Co., Ltd. ISEKI & CO., LTD. Isuzu Motors Limited Japan Transport Engineering Company Kawasaki Railcar Manufacturing Co., Ltd. Mazda Engineering & Technology Co., LTD. Mazda Motor Corporation MITSUBISHI HEAVY INDUSTRIES, LTD. Nishikawa Rubber CO., LTD. Nissan Motor Co., Ltd. Nissan shatai Co., Ltd. OAProto Corporation Panasonic Corporation Suiryoplastics Co.,Ltd. Webasto Japan Co., Ltd. Yamaha Motor Co., Ltd. Automaker and parts suppliers in China, Indonesia, and India. |
| Dealing Banks | Japan Finance Corporation Mizuho Bank, Ltd. The Bank of Tokyo-Mitsubishi UFJ, Ltd. Momiji Bank, Ltd. THE YAMAGUCHI BANK, Ltd. THE SAN-IN GODO BANK, LTD. The Hiroshima Bank, Ltd. |
| Subsidiary | India: HIVEC RHINO TECHNOLOGIES Pvt. Ltd. |

HISTORY

| | |
|-----------------------|---|
| October 2001 | Inaugurated "Establishment Preparation Association for Hiroshima Vehicle Engineering Company". |
| May 2003 | Established HIVEC Inc. with capital of 24 million yen. |
| September 2006 | Executed Marketing Consignment Contract for Russia with JAPAN TOOL SERVICE. |
| November 2006 | Opened Main Design Center in Higashihiroshima, Hiroshima. |
| February 2007 | Capital increased to 262.5 million yen. |
| July 2008 | Opened Tokyo Design Center in Atsugi, Kanagawa. |
| March 2011 | Convert EV prototype first model Build. |
| February 2012 | Awarded "Certified IT Management Company" by the Ministry of Economy, Trade and Industry. |
| June 2012 | Acquired ISO9001:2008 certification. |
| May 2013 | Established Subsidiary "HIVEC RHINO TECHNOLOGIES Pvt. Ltd." in India. |
| February 2016 | Started sales of Twin Pulse Charger, battery regenerator and recharger. |
| July 2016 | Twin Pulse Charger was awarded as "excellent commodity manufactured in Higashi Hiroshima 2016." |
| May 2017 | Obtained composit (carbongiber mixed plastic) 3D printer. |
| October 2017 | Cooperation activity started with Hiroshima distal Innovation Center, HDIC. |
| April 2018 | Cooperation study started with Hiroshima University. |
| December 2018 | Selected as "Earth Future towing companies" by METI. |
| April 2019 | Started implementation activities of SDGs. |
| May 2021 | Acquired ISO14001:2015 at HIVEC Headquarter Design Center. |