

# Major Press Releases

Business-related

Product-related

## 2017 7/3 Isuzu to enter the used vehicle engine remanufacturing business in Colombia

Isuzu and National Truck Service SAS (NTS), a subsidiary of Helm Holdings International Inc. in the U.S. that operates a nationwide repair and service network in Colombia, have agreed to form a new joint-venture company called Isuzu Remanufactura de Colombia S.A.S. (IRC) with the goal of lowering customers' maintenance costs and making effective use of resources.

Isuzu views the new business as a way to help reduce customers' vehicle running costs by providing high-quality remanufactured engines to augment its vehicle products.

## 2018 3/5 Isuzu constructs new facility to manufacture engines for light-duty trucks at its Tochigi Plant

Isuzu has begun producing diesel engines for light-duty trucks at a new facility located at its Tochigi Plant.

The new facility is manufacturing a new engine that meets 2016 emissions regulations for use in the company's ELF series of light-duty trucks for the domestic Japanese market.

Isuzu is seeking to boost productivity with an intelligent plant that incorporates rigorous quality control utilizing IoT and a cell-based approach to production that groups together multiple processes. With features including a system that recovers odors and contaminants released by machining lines, a fully flat floor layout that reduces workload, and 100% LED lighting throughout, the facility is also designed to be worker-friendly, clean, and environmentally responsible.



Tochigi Plant

## 2018 3/19 Isuzu and Hino to jointly develop advanced driver assistance and ITS technologies to commercialize the self-driving trucks and buses of the future

Isuzu and Hino have been jointly developing advanced driver assistance and ITS technologies since May 2016. Going forward, the partners plan to refine those technologies in preparation for their commercialization and to incorporate them in their respective truck and bus products.

In their May 2016 agreement, Isuzu and Hino embarked on a joint development project that identifies ITS systems and advanced driver assistance technologies as areas where they could cooperate to speed the commercialization and adoption of self-driving systems. Based on that partnership, the companies have developed four technologies: (1) field of view assist, (2) intervehicle communications, (3) acceleration and braking assistance, and (4) platform arrival control.

Isuzu and Hino plan to commercialize these technologies by bringing products to market starting in FY2018, including a jointly-developed hybrid articulated bus.

## 2018 3/30 Isuzu merges joint ventures in its China business

Isuzu and its Chinese business partners Qingling Motors Group, and Qingling Motors Co., Ltd., have agreed to merge their local joint ventures Isuzu Qingling (Chongqing) Autoparts Co., Ltd., (IQAC) and Qingling Isuzu (Chongqing) Engine Co., Ltd., (QIEC).

The merger, in which QIEC, which manufactures and sells Isuzu Group engines, will absorb IQAC, is intended to strengthen the companies' functions and streamline their business operations in response to an anticipated expansion in the market as China's economy continues to grow and expected changes in the Chinese automotive industry, including the future tightening of emissions regulations.

In addition to allowing Isuzu to supply high-quality, cost-competitive engines and vehicle components to Qingling Motors, which manufactures and sells Isuzu vehicles, the merger will help further enhance the global competitiveness of its commercial vehicle and powertrain products.

## 2018 5/25 Isuzu to launch public-road trial of Japan's first large LNG-powered truck

Isuzu will launch a large-scale trial on public roads of Japan's first large LNG-powered truck using an LNG truck and LNG station developed as part of the Ministry of the Environment's Guided Development and Demonstration Project to Enhance CO<sub>2</sub> Emissions Reduction Technology.

The large LNG truck developed for this project offers a range of more than 1,000 kilometers with CO<sub>2</sub> emissions that are 10% lower than the latest heavy-vehicle diesel fuel efficiency standards, and is expected to help companies further reduce their transport-related CO<sub>2</sub> emissions.

Having recently held ceremonies to mark the opening of an LNG station in Osaka and the departure of the large LNG-powered truck on its first trip, Isuzu will now launch a trial of the truck by freight carriers on public roads.

## 2018 3/20 Isuzu launches redesigned ELF light-duty trucks that comply with 2016 emissions regulations

Isuzu announced nationwide availability of its partially redesigned ELF series of light-duty trucks on March 20.

Models with a gross vehicle weight in excess of 7.5 tons now meet 2016 emissions regulations thanks to the new 4JZ1 engine and the redesigned exhaust gas treatment system.

With the newly developed low-displacement, high-boost 4JZ1 engines (displacement: 2,999 cc), whose major components have been redesigned, and an exhaust gas treatment system that combines DPD with urea SCR, the new models deliver better fuel efficiency while complying with 2016 emissions regulations. They also exceed 2015 emissions standards by 10%, making them eligible for "eco car" tax reductions.



4JZ1 engine

## 2018 4/23 Isuzu launches newly developed lightweight truck for emerging markets: Sales start in Indonesia

On April 23, Isuzu launched TRAGA, a cab-over lightweight truck with a gross vehicle weight of 3.0 tons, in Indonesia.

Isuzu has developed a global manufacturing capability that enables it to supply products and services that meet customer needs around the world. As a strategic product for emerging markets, the newly launched TRAGA is the result of a joint development program orchestrated by Isuzu and Isuzu Global CV Engineering Center (IGCE), which oversees development of trucks for Japan and emerging markets. The model is being manufactured by P.T. Isuzu Astra Motor Indonesia (IAMI).

In keeping with its status as a new, professional-grade lightweight truck from Isuzu, the TRAGA has been engineered to provide customer convenience by delivering the best possible loading efficiency, maneuverability, and fuel efficiency by utilizing commercial-vehicle technologies that Isuzu developed for the D-MAX pickup trucks.

Indonesia, which is one of the world's largest commercial-vehicle markets, is expected to continue to grow at a fast pace over the medium and long term, with the market for trucks with a gross vehicle weight of 3 tons growing especially quickly. After launching the TRAGA in Indonesia, Isuzu will study how to roll out the vehicle in other emerging nations.

Isuzu will continue to utilize its global network of facilities to supply optimal products in all markets worldwide.