

**14<sup>th</sup> AUTO EXPO 2018**

**COMPONENTS**

**8-11 FEBRUARY 2018**

Pragati Maidan, New Delhi, India

# Show

# Daily

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Essential reading for the Automotive Industry

**8 FEBRUARY 2018 DAY ONE**

## Bearings Pavilion pitches quality

Make in India campaign gives a fillip for increased manufacture and use of bearings in the automotive industry **Page 4**



## Rane Group's strong display

Chennai-based major to highlight its enhanced R&D, tech capabilities and new-age solutions too **Page 11**



## French delegation comes visiting

21 companies to showcase range of expertise that France can offer to meet OEMs' needs for vehicle electrification **Page 9**



## 1,200 exhibitors ready to dazzle the industry

THE BUZZ ABOUT one of the world's largest automotive component shows has been around for some time now. The four-day event, which is a veritable global marketplace and a one-stop business shop for industry, will see close to 1,200 companies from over 20 countries participate and showcase their technologies and products on 60,000 square metres of exhibition area.

Organised by Automotive Component Manufacturers Association of India (ACMA), Confederation of Indian Industry (CII) and Society of Indian Automobile Manufacturers (SIAM), the Auto Expo is accredited by Organisation Internationale des Constructeurs d'Automobiles (OICA).

Over the next four days, visitors can experience the prowess and strength of the Indian component manufacturing industry, get a closer look at cutting-edge solutions and innovations as well as actively engage in business networking.

Autocar Professional is the media partner for the Components Show 2018. n

# Spotlight on BS VI and EVs at Components Show 2018

INDIA'S BIGGEST AUTOMOTIVE components show has opened. First organised in 1986, the big-ticket event has arrived into its 14th edition, this time under the overall theme of 'Mobility For All'.

According to Vipin Sondhi, chairman, Confederation of Indian Industries (CII) Trade Fair Committee, "Leading component manufacturers not only from India but also from Germany, Japan, China, Taiwan, South Korea, Canada and the UK among many others, will give a peek into their innovation and solutions for future mobility. These companies aim to show the strength of their technologies, innovation, as well as efficient manufacturing. The international contingents will not only showcase their products, but will also look towards striking partnerships with Indian companies, sharing common goals."

### SPECIAL ZONES AT COMPONENTS SHOW

The Automotive Component Manufacturers Association (ACMA) has categorised the components show into four zones – Innovation, Destination, Smart Mobility and Competition – and will also see three special pavilions.

"There would be a Bearings Pavilion, Garage



The four-day show will see exhibitors showcase a host of solutions that enable greener motoring.

Equipment Pavilion and an ACMA Pavilion for road safety to spread awareness among the visitors," Sondhi added.

The Components Show will also see conferences and seminars being held concurrently to share knowledge, discuss and debate a host of key industry topics.

A unique initiative is the specially crafted student engagement activities, which would aim at making students an integral part and bringing them closer to what is the backbone of the automotive industry. SMEs in the field of component manufacturing and distribution are also going to make their presence felt.

According to Nirmal K Minda, president, ACMA, "We are expecting a footfall

of over 100,000 visitors over the entire duration of the show."

"The Indian automotive industry is gearing towards better emission standards, sustainable environment and road safety. We are going to see numerous products and technologies related to the upcoming BS VI norms, and futuristic innovations in the space of electric mobility as well, which will include batteries and semiconductors," he added.

### FOCUS ON TECH AND SUSTAINABILITY

According to Vinnie Mehta, director general, ACMA, "The Auto Expo 2018 Components Show will display an array of products and technologies, which provide solutions

to the issues that we as an industry are currently grappling with. One of the big highlights this time will be the increased focus on technology. The industry has to be compliant to the various regulations that include emission norms, environment and safety. We are graduating from BS IV norms to BS VI standards and we have incoming deadlines to adhere to the same. The 2020 deadline is now not too far away either. The other aspect is the government's focus on electric mobility. So, the participating component manufacturers are definitely going to showcase technologies around the same. So all in all, it appears that the event will be more inclined towards (futuristic) technologies." n

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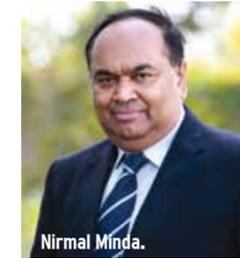
National Engineering Industries Limited is a part of the CK Birla Group which is a \$1.6 billion conglomerate with presence in Cement, Consumer Electricals, Precision Bearings, Heavy Engineering Products, Paper, Building Products, Automobiles, Auto Components, Healthcare, Education & ITES.

# ACMA lauds pro-manufacturing and growth-oriented Budget

ACMA HAS WELCOMED the measures announced in the Union Budget on February 1 for providing the much-needed thrust to the economy and making it inclusive. The industry body expressed satisfaction on the focus on development of rural economy, manufacturing, infrastructure, education, ease of doing business, attracting investments and encouraging innovation and digitisation.

Congratulating the Union Finance Minister, Arun Jaitley, president, ACMA, Nirmal Minda, said: "The Budget unveiled

by the finance minister is indeed inclusive and pro-manufacturing. The component sector is delighted that the duty on select items such as engine and transmission parts, brakes and parts thereof, suspension and parts thereof, gearboxes and parts thereof, airbags have been enhanced from 7.5/10 percent to 15 percent. These items account for more than 50 percent of US\$ 43.5 billion domestic component industry's turnover and over 30 percent of its US\$ 11 billion exports. The industry is extremely competitive



in these areas and this measure will not only encourage investments but also encourage technology development in these areas."

Further, reduction in corporate tax to 25 percent for SMEs with turnover of up

- n Import duty on select auto components enhanced to 15%
- n Reduction in corporate tax for MSMEs to 25%

to Rs 250 crore is yet another welcome step as over 80 percent of the companies engaged in the auto component manufacturing are SMEs. This measure, as also enhanced budgetary allocation of Rs 3,794 crore for credit support, capital and interest subsidy will have a benign impact on the smaller enterprises. That apart, simplification of procedure for credit

availability through online-system for SMEs is a very welcome step. The thrust given to the development of the rural economy, infrastructure, particularly roads, augurs well towards creating a vibrant automotive market in the country, which in turn, will fuel growth and development of the domestic automotive component industry. n

## Covestro India scouts for partner at Components Show to develop next-gen EVs

COVESTRO, ONE OF the largest polymer companies globally, which manufactures high-technology polymer and product solutions for various industries, has revealed it is looking towards partnering with OEMs for joint development of next-generation electric vehicles (EVs) at Auto Expo 2018.

The company, which introduced the first car with an all-plastic body, says its participation at the Components Show will see it highlighting its global solutions crafted for the automotive industry, keeping in line with the trend of future mobility.

It will aim to drive the automotive innovation forward with its high-tech materials and advanced technologies that make the autonomous — or self-driving — electric vehicle of the future possible.

Ajay Durrani, managing



director, Covestro India, said, "With the government ushering in a trend of EVs, we are excited to work with the mobility industry to not just work on the materials that make an EV work more efficiently and look great, but also work on the materials that would help build a sustainable infrastructure to support the EVs."

"We see immense opportunity for high-tech polymers in the current ICE- (internal combustion engine) driven, as well as, the future mobility space. By participating in this show,

we would like to engage in the joint development projects with the Indian OEMs and also explore partnerships in the space of next-generation electric vehicles," added Durrani.

The company says its range of products from the advanced glazing technologies, holographic lighting, EV battery packaging, among others will be displayed at the Auto Expo. And its optimism about the Indian automotive industry's growth is backed by the country being one of the the fastest growing automobile markets. n



## Hitachi Automotive Systems India to exhibit electrification, autonomous vehicle systems

HITACHI AUTOMOTIVE SYSTEMS (India) will be showcasing its advanced systems including a range of electrification and autonomous driving systems. Exhibited items will include products and systems in the environment and safety field offered by the group globally, as well as aftermarket products sold in India.

Autonomous driving systems will introduce electrification systems essential for responding to norms for environmental conservation, as well as autonomous driving systems created by coordinating 360deg sensing

technology and safety control technology to reduce traffic accidents and traffic jams. The technologies will be presented using actual displays and video footage.

Fuel consumption improvement engine systems will introduce a highly efficient next-generation petrol engine system aiming to further improve fuel consumption, including an intake and exhaust system with increased combustion efficiency and a heat exchange system.

Hitachi will also display aftermarket products such as its air flow sensor, shock absorber and ignition coil. n

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# Bearings Pavilion to showcase made-in-India product quality

## MAKE IN INDIA GIVES A FILLIP FOR INCREASING BEARING MANUFACTURING AND CONSUMPTION IN FUTURE

COMPANY	PRODUCTS	HALL NO.	STALL NO
ARB Bearings	Bearings, universal joint cross, clutch plate	10	6
Delux Bearings	Ball & roller bearings for clutch, gearbox and wheel	10	5
Garlock India (GGB Bearing Technology)	Self lubricated, Metal Polymer, Plain Bush Bearings, Automobile Sub As. Filament Wound Bearings	10	15
ISK Bearings Industries	Innovation bearings for 3-wheelers, automobile bearings for Car/SUV/MUV/XUV/LCV, Disc Brake For Three-Wheeler Auto Rickshaw	10	8
JSK Bearings Company		10	4
Kasuma Auto Engg	Various types of bearings	10	11
KCI Bearings (India)	Bearings and machine components	10	7
National Engineering Industries	Bearings and their applications	10	21
NRB Bearings	Needle Roller Bearing, Cylindrical Roller Bearing, Taper Roller Bearing	10	17
Orbit Bearings India	Truck Hub Bearings, Taper Roller Bearings, Cylindrical Roller Bearings	10	1
Pabla Bearings	Needle Roller Bearings, Needle Thrust Bearings, Needle Rollers, Hub Pin Bearings, Ball Bearings	10	3
Precision Bearings	All Types Of Ball Bearings and roller bearings	10	10
SKP Bearing Industries	Mfg Of Needle Rollers, Cylindrical Rollers & Special Pins, Mfg of Needle Bearings	10	14
SMR Bearings	Bearings, Clutch Plates, Pressure Plates, Drive Shafts, Axles	10	2
Texspin Bearings	Automotive Bearings, Component, Assemblies, Testing & Validation Services	10	18
Turbo Bearings	Ball abd roller bearings and parts thereof	10	9

THE COMPONENTS SHOW this year is driving special focus to the Indian bearings industry by way

of a dedicated pavilion. As is known, India is regarded amongst the fastest growing markets for

bearings and has seen a number of leading bearings manufacturers setting up manufacturing facilities in

various parts of the country. With the automobile sector, across vehicle segments, seeing a smart uptick in

sales and production, the Indian bearings industry is bullish about excellent growth prospects.

# BorgWarner to display clean and efficient propulsion solutions for India



India, which had an average annual production of over 25 million vehicles in FY2016-17, is currently the fifth-largest four-wheeler manufacturer, the second largest two-wheeler manufacturer and the largest three-wheeler producer in the world.

By 2026, the Indian automotive industry is billed to be among the top three globally in the engineering, manufacture and export of vehicles and also components, contributing 12 percent to the country's GDP and additionally generating

65 million jobs. Giving a new charge to the domestic bearings industry is the government's 'Make in India' campaign, which will become the catalyst for increased bearing manufacturing and consumption in the future. n



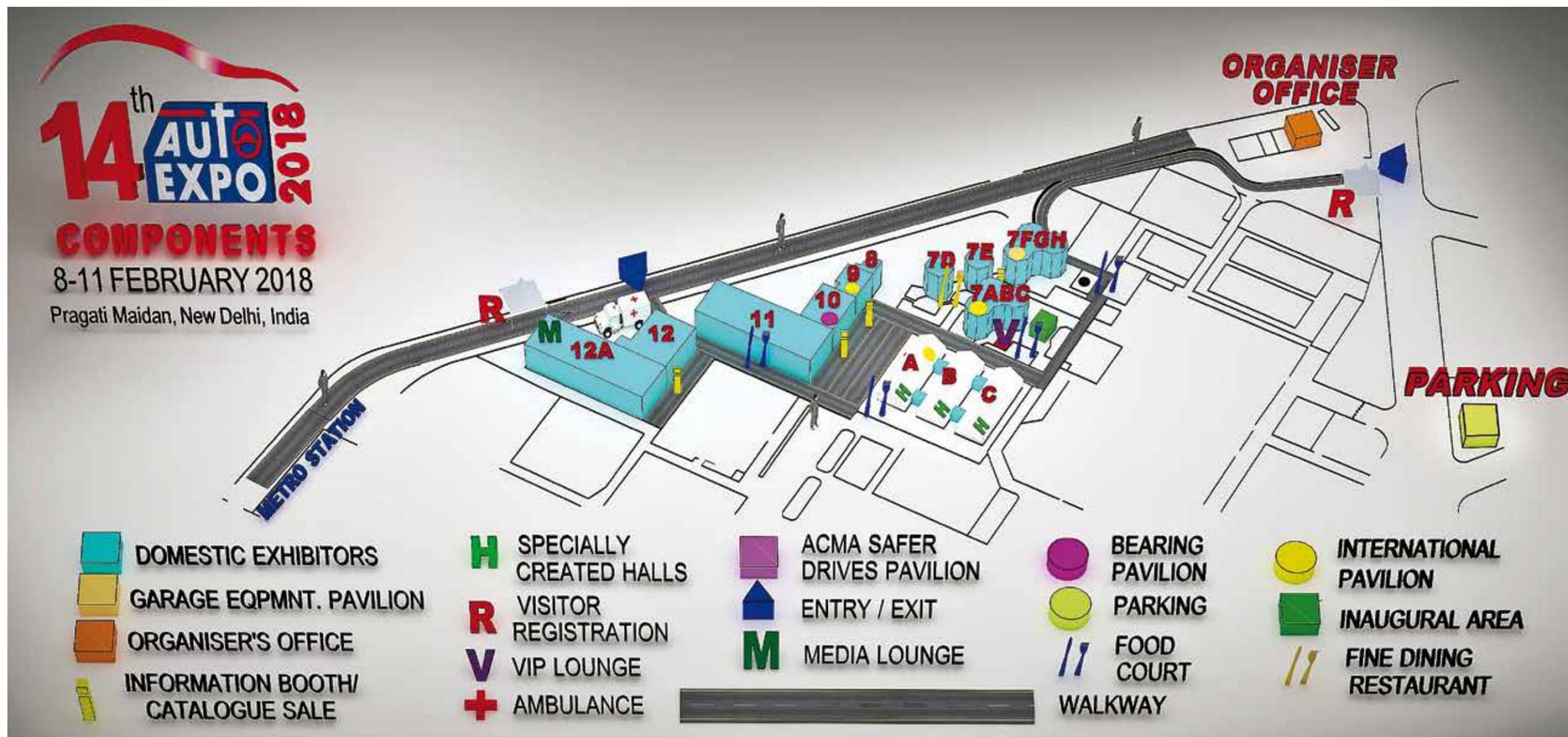
BORGWARNER, THE GLOBAL leader in clean and efficient technology solutions for combustion, hybrid and electric vehicles, is presenting its broad product portfolio. At Booth 73 in Hall 11, the company will show solutions that help automakers master the challenges posed by ever stricter emission standards. Accordingly, for combustion engines, it will focus on technologies that help optimise engine efficiency and performance while reducing emissions, and will also present a broad range of solutions for hybrid and pure electric vehicles.

"At BorgWarner, we constantly work on providing solutions that help all vehicles meet stringent emission standards like BSVI while position lock technology. In addition, the company will showcase its mild hybridisation expertise with the eBooster electrically driven compressor and 48V eFan. For hybrids and pure electric vehicles, the company will show its latest innovations, including silent chains for P3-type hybrids, low pressure exhaust gas recirculation (EGR) modules, a high-voltage air heater operating independently of engine waste heat and the electric Drive Module (eDM). This all-in-one electric propulsion solution combines BorgWarner's tried-and-tested eGearDrive transmission and the high voltage hairpin (HVH) electric motor in a single module for simple installation.

## SOLUTIONS THAT HELP AUTOMAKERS MASTER THE CHALLENGES POSED BY EVER STRICTER EMISSION STANDARDS WILL BE ON SHOW.

still improving performance and fuel efficiency," said Scott Gallett, vice-president, Marketing, Public Relations and Government Affairs, BorgWarner. "The Auto Expo 2018 is an ideal platform for showcasing our extensive range of products for clean and efficient vehicles of the future, no matter which propulsion system is used." Following current trends, BorgWarner's exhibits will include highly efficient solutions for combustion engines like the company's CTA phasers with mid-

BorgWarner has also developed a wide range of solutions to support CV OEMs to meet current and future emissions regulations. For instance, the company's series of modular compact floating core EGR coolers for a wide range of commercial vehicle applications offer high robustness against thermal fatigue and enhanced coolant distribution for durable performance, even at a minimum coolant flow, and they reduce NOx emissions too. n



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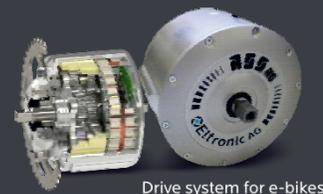


BS VI-ready engines

We, at AVTEC, take this opportunity to invite you to witness our efforts towards the future of green commuting. On display, we have the much talked about BS VI-ready petrol and diesel engines, compact high torque transmissions and a plethora of high precision powertrain components. We are also showcasing an exclusive drive system for e-bikes, developed by our Swiss subsidiary, in line with our vision for a cleaner environment.

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Brands On E

# Garage Equipment Pavilion to pack a punch

## EXPANSIVE RANGE OF THE LATEST VEHICLE MAINTENANCE AND SERVICING EQUIPMENT TO BE SHOWCASED

COMPANY	PRODUCTS	HALL NO.	STALL NO
Aerol Formulations	Car Polishes, Speciality Lubricants, Deodorizers/perfumes/Fresheners	7FGH	23
Equipment (P) Ltd	Garage Coating Equipment	7FGH	21
ATS Elgi	Auto car wash and washing Equipment, Garage Equipment	7FGH + OD	33 & OD2
Autonics Machines India	Garage Equipment	7FGH	22
Dynabrade India Abrasive Power Tools	Abrasive Power Tools & Accessories, Paint Spray Equipment, Abrasive Consumables	7FGH	19
Dynacorp Engineering	Automotive Products, Engineering Products	7FGH	22A
H B Auto Equipments	Two-Post lifts, Scissor Lifts, Wheel Alignment & Balancer	7FGH	37
H D Trailers	Axle Series, Suspension Series, Landing Gear, King pin, Wheel Rim, Other Trailer Parts	OD 7FGH	OD4
Jetage Garage Equipments	Wheel Care Equipment, Workshop Equipment, Washing Equipment, Diagnostic Equipment	7FGH	36
Kaizen Metal Forming		7FGH	29
Kaizen Industrial Services	Fasteners and Fixing, Electrical / Electronic Accessories, Cable Accessories / Conduit Fittings, Stainless Steel Fitting, General Engineering Parts	7FGH	28
Launch India	Wheel Alignment, Tyre Changer, Car Scanner	7FGH	24
Manatec Electronics	Wheel Aligner, Wheel Balancer, Tyre Changer, A/C Recycling Equipment, Emission Equipment, N2 Inflator, Lifting Equipment, Body Shop Equipment, Utility Equipment, 2/3 Wheeler Segment	7FGH	31
Manmachine Works	Vehicle Washing Equipment, Automatic Car Wash Plant, Steam & Hot Water Machines	7FGH	25
	Cleaning & Detailing Machines, Detailing Chemicals, Steam Cleaning Machine	7FGH	26
Midtronics	Battery Management, Battery Support Products	7FGH	16
Ohsan Formtech	Lead Free Wheel Balancing Weights	7FGH	10
Precision International	High Frequency Spindles, Automatic Indexing Tables, Die & Mould Elements	7FGH	35
Saturn Overseas	Garage Equipment & Tools	7FGH	18
Schumak Equipment (India)		7FGH	20
Starcke Abrasives India	Abrasives, Polishing Compounds, Tools & Accessories	7FGH	14
Treo Engineering	Automatic Vehicle Washing Systems, Water Treatment Plant System	7FGH (OD)	OD1
Vijay Engineering Corporation	Car Cleaning Equipment	7FGH	30
V-Tech India Automotive	Workshop equipment	7FGH	17

IN FY2016-17, 21,862,128 vehicles were sold across the passenger vehicle, commercial vehicle, two-wheeler and three-wheeler segments, recording a 7.35 percent year-on-year growth rate. While the news is good for OEMs and suppliers, it also spells new business for the garage equipment industry.

With vehicles turning more modern and sporting increased electronic content, there is growing customer awareness about vehicle upkeep, periodic maintenance, the need to use genuine spare parts and demand for add-on services like 24/7 breakdown assistance, demand for speedy and quality service has risen sharply. Over the past few years, both organised players (automotive OEMs and non-vehicle manufacturers) and unorganised players (independent parts dealers and small garages) have



ATS Elgi (above) and Manatec Electronics (right) will once again demonstrate their latest products like they did two years ago.

made great strides in the aftermarket sector. The backdrop of the economic slowdown in FY2012, coupled with the dip in volume growth of OEMs, had resulted in a renewed focus on the growth of the aftermarket sector as a business imperative to maintain growth and profitability for OEMs.

Most vehicle owners in India, who prefer OES (auto dealerships) for carrying out major repair and collision work, are now increasingly

looking at well-equipped garages, workshops and service chains for upkeep of their vehicles, car washes and other repair work.

The Components Show has a focused Garage Equipment Pavilion to cater to customer needs as well as provide a window to OEMs to ensure smooth maintenance services to scores of their customers.

A Frost & Sullivan research report has it that independent garages and service chains command

about 60 percent of the retail maintenance and repair revenue, while automobile dealerships in the original equipment suppliers channel hold 40 percent market share.

The pavilion will have an expansive display of the latest products aimed at quality and speedy servicing and maintenance of vehicles. They include two-post lifts, four-post lifts, scissor lifts, washing hoists, wheel aligners, wheel balancers, tyre changers,

tyre inflators, vehicle test lane, paint booths, repair systems, spot welders, MIG welders, plasma cutters, panel repair systems, infrared dryers, car washing stations, wet and dry vacuum cleaners, steam washers, floor cleaners, automatic car washing plants.

Some of the leading garage equipment brands will be showcasing as well as offering live demonstrations of their latest range of products and services. n

**A**

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# Strong French delegation of 21 suppliers to auto & EV industry comes visiting

FRANCE'S PRESENCE AT the Auto Expo 2018 comes in the form of Business France – The French Trade & Investment Agency, the Federation of French Vehicle Equipment Industry (FIEV) and the European Association for Electromobility (AVERE). They will host a delegation of 21 French suppliers of the automotive and electric mobility industry. In addition to the Auto Expo Motor and Components shows, the delegation will visit Indian companies in Chennai and Delhi. This event will showcase the range of expertise that France can offer to meet the needs of Indian companies in order to integrate cleaner, innovative and environmentally responsible automotive solutions for India.

Electric mobility being one of the principle themes for this delegation, a seminar on this subject will be held at the French Embassy in Delhi. Key Indian players and officials from NITI Aayog (The National Institution for Transforming India) will address the audience during this event. Moreover, Business France and the FIEV will also organise collective meetings with key OEM exhibitors at the motor show to promote a first dialogue between French and



Schaeffler's high-voltage hybrid module in a P2 arrangement is an innovative approach to drivetrain electrification that can be matched to a large number of drive concepts on a modular basis. The French delegation of automotive and EV suppliers is traveling to India for Auto Expo 2018, to showcase the range of expertise that France can offer to meet automakers' needs.

Indian companies. These meetings and site visits will enable French suppliers to better understand the expectations, challenges and opportunities for the Indian market, thus leading to fruitful exchanges between the two counterparts.

This initiative between French and Indian players of the automotive industry endeavours to successfully create opportunities of international cooperation towards cleaner, more sophisticated, and an energy friendly automotive future. n

## SUPPLIERS WHO ARE PART OF THE FRENCH DELEGATION

3DS - Dassault Systèmes	Poclain Powertrain
A2Mac1 India	Plastic Omnium
Assystem Technologies India	Sacatec Equipement
Axon Interconnectors & Wires	Schaeffler France
Bronze Alu SAS	Siemens SAS
Continental France Automotive SAS	Syb Consulting
EP Tender	Treves Banskvara
Faurecia Clean Mobility India	Trigo Quality Production Services
FAVI SA	Valeo Powertrain Systems France
FIEV	
Gefco SA	
Hutchinson – Body Sealing Systems	
IFTS – Institut De La Filtration Et Des Techniques Séparatives	
Neotiss	



## CALENDAR OF EVENTS IN PRAGATI MAIDAN

DATE	TIME	PROGRAMME TITLE	CONTACT	VENUE
8 February, 2018	1000-1200 Hrs	Auto Expo 2018 Components Inauguration	j.shankar@cii.in	7 ABC Outside
8 February, 2018	1200 Hrs	SIAM Executive Committee (EC) Meeting	niladri.mallick@acma.in; supriya@siam.in	Hall 7 Lounge, above Hall 7D
8 February, 2018		ACMA Consumer Affairs Committee Meeting	Monica - 9873379790	Hall 1B, Gate No.1
9 February, 2018	0930 -1100 Hrs	French Delegations	anjali.nair@acma.in (9899985280)	Hall 1B, Gate No.1
9 February, 2018	1230-1330 Hrs	Study on xEV – Supplier Opportunity – Press Meet	harkaran.malhotra@acma.in	Hall No.8, 1st Floor
10 February, 2018	0930-1600 Hrs	Auto Water 2018: Driving towards a Sustainable Future for the Auto Sector	Kavita.nair@cii.in; Preeti.kathuria@cii.in; vipin.varghese@cii.in	7 ABC Outside
10 February, 2018	1500 Hrs	Weaving Synergies – Spot the Innovation Contest	madhurima.maniyara@cii.in ( 9764001342)	Hall 1B, Gate No.1
11 February, 2018	1000-1300 Hrs	ACMA - AIAWA Conference Current & Future Scenario	vikrantt.mohan@aiawa.in (9848019470)	7 ABC Outside

Active Suspension, **Aerodynamic drag**,  
 Anti-Squat, **Apex**, Aspect Ratio, **Balance Shaft**, Ball  
 Joint, **Beam Axle**, Beltline, **Bevel Gears**, Brake Bias,  
**Bushing**, Cam Profile, **Camber**, Compliance,  
**Compression Ratio**, Constant-Velocity Joint,  
**Connecting Rod**, de Dion Suspension, **Detonation**,  
 Dive, **Drag Coefficient**, Driveline, **Exhaust-Gas  
 Recirculation**, Engine Control System, **Exhaust  
 Manifold**, Exhaust Port, **Feedback**, Fuel-Air-Ratio  
 Control, **Final-Drive Ratio**, Fluid Coupling,  
 Four-Wheel Drift, Helical Gear, **Jounce..**



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# Rane Group to highlight its R&D and tech capabilities

THE CHENNAI-BASED Rane Group has been participating in the Auto Expo since 1990. This year, it will showcase its entire product range including steering systems, valve train components, friction materials, occupant safety systems, die-casting products and a new range of products for the aftermarket. Through these, the company aims to highlight its enhanced R&D and technology capabilities. It will also display product applications offering lightweighting, improved safety and performance, and cost-effective solutions.

The Group's theme for Auto Expo 2018 is 'Expanding Horizons', which reflects the company's aspirations to not only grow its business in the automotive industry and beyond but to also establish global footprints.



Some of the Rane Group's display at Components Show 2016.

The company states that another distinctive feature of its participation in this Auto Expo is to showcase its IoT-enabled platform solutions for various domains and enhanced

range of products for the aftermarket. The company will display some of the new technologies, which have been introduced to select customers recently – side airbags, new-generation EPS

and sealed metallic steering joints, among others.

Commenting on the participation, a company official said, "Auto Expo provides us with an opportunity to have an open dialogue with our customers on how we can enhance our offerings. It also provides an opportunity to our supplier community to support us in meeting end customer needs. Of course, there have been instances where global customers have used the Auto Expo to know

more about Rane and have subsequently visited us, resulting in new business."

"While we meet our customers regularly, the Auto Expo gives us a different setting and context in which the dialogue is a more long-term and directional. We are also able to pick up future trends and macro expectations of our key stakeholders. It is a platform to connect with many of our customers in three to four days, which is invaluable." n

### HOW THE AUTO EXPO COMPONENT SHOW 2018 TOOK SHAPE AT PRAGATI MAIDAN



Visitors to India's largest focused automotive trade fair will be amazed by the humongous facade that magically took shape in the night before the four-day event opened. This, even as many country pavilions and the large number of exhibitors spread across 60,000 square metres worked hard to ready their stalls.



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