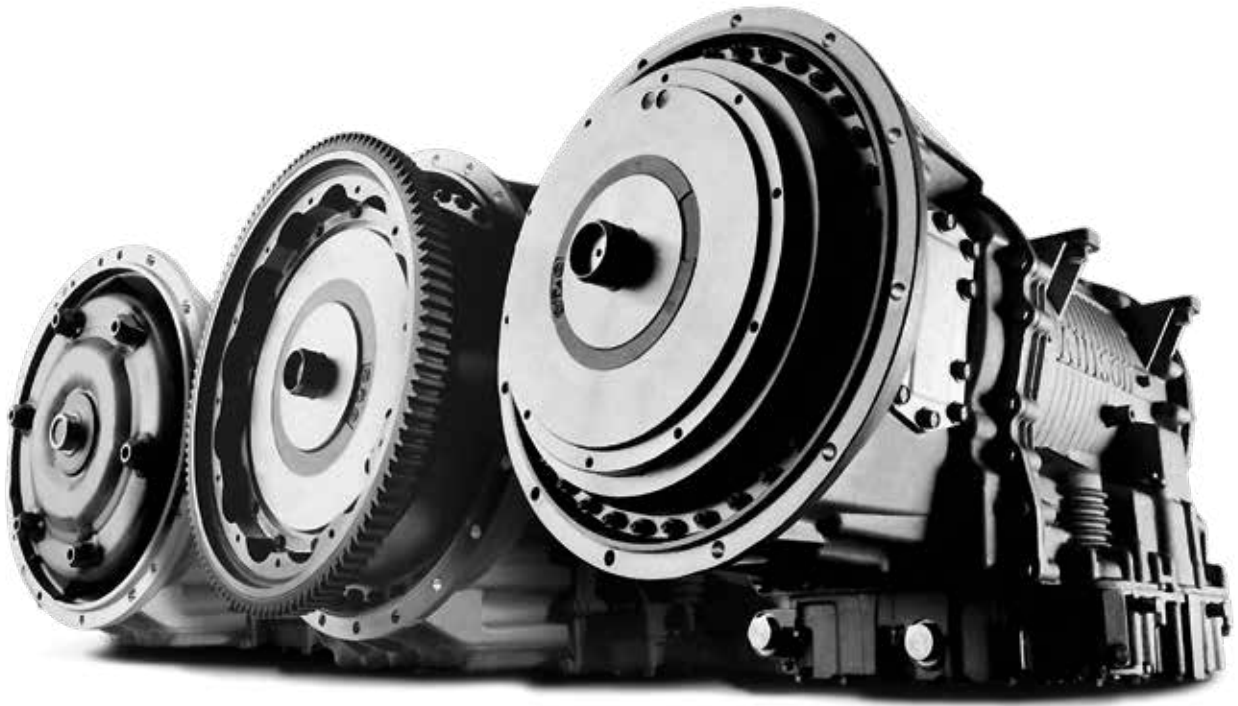


# Improving The Way The World Works



# The Power of Allison

At Allison Transmission, we believe in the power of our people, our processes and our products. The Power of Allison drives our determination to pursue our vision and live our values while we create innovative, customer-focused propulsion solutions. It is the foundation of who we are and all that we do to ensure a successful future for all of our stakeholders.

## The Allison Promise

Provide the most reliable and valued propulsion solutions in the world to enable our customers to work more efficiently.



"We have not had one transmission failure in these trucks."

\ **Al Otto**

*President, Otto Trucking*





## What You Can Expect When You Work With Allison

For more than 100 years, we've built our business on these values: Quality, Customer Focus, Integrity, Innovation, Teamwork. They will continue to serve as the foundation for Allison now and in the future.



# Quality

**Proven performance doesn't just happen overnight.** We are driven by a total commitment to excellence in everything we do. The world is our proving ground. There are no specific coordinates, crossroads or a singular location. From a bus on the streets of Taipei to a natural gas field in Texas, wherever there is work to be done, people to transport or goods to be delivered, we are there.

No matter where work takes you—from loading docks to bus stops to the defense of your country—Allison plays a crucial role. With a total commitment to delivering the most innovative, highest quality solutions, we help make a difference, change the landscape and grow economies.

"Whatever leaves this shop over my name must be the finest work possible."

\ **James A. Allison**

*Founder, Allison Transmission*

A photograph of a fire truck with firefighters at a fire scene at night. The truck is red and white, with "FEUERWEHR" and "R" visible. Firefighters in yellow and black gear are working with hoses. A large fire is visible in the background, with thick black smoke rising into the sky. The scene is illuminated by the fire and the truck's lights.

"Allison transmissions shift fast, smoothly, and except for maintenance, they are always operational."

\ **Rainer Kunze** *Fire Brigade, Hannover*

A close-up photograph of an Allison transmission, showing its complex mechanical components and the Allison logo.

# Customer Focus

**We have a unique working relationship with every customer. We know that our success is directly tied to yours.** We will work with you to develop better usage and applications of our fully automatic transmissions. Whether you need improved fuel economy, increased productivity, electric hybrid applications or unique Power Take-Off (PTO) capabilities, we will work together to create solutions that meet your needs.

When it works for you, it works for us.



# Integrity

**As the people behind the product, we hold ourselves to the highest ethical standards in everything that we do.** Quality solutions come from quality people, and integrity is crucial. We value your trust and know that you rely on us to produce the fully automatic transmissions that help get work accomplished. Your reputation is on the line with every job you accept. Our goal is to provide you with the most reliable products and solutions needed to accomplish each job efficiently and professionally.

From the assembly line to the boardroom, your trust is something we never take for granted. We will not let you down, and in the times when challenges arise, we will do everything possible to keep you up and running.

We earn your trust when and where it matters most ... on the job.

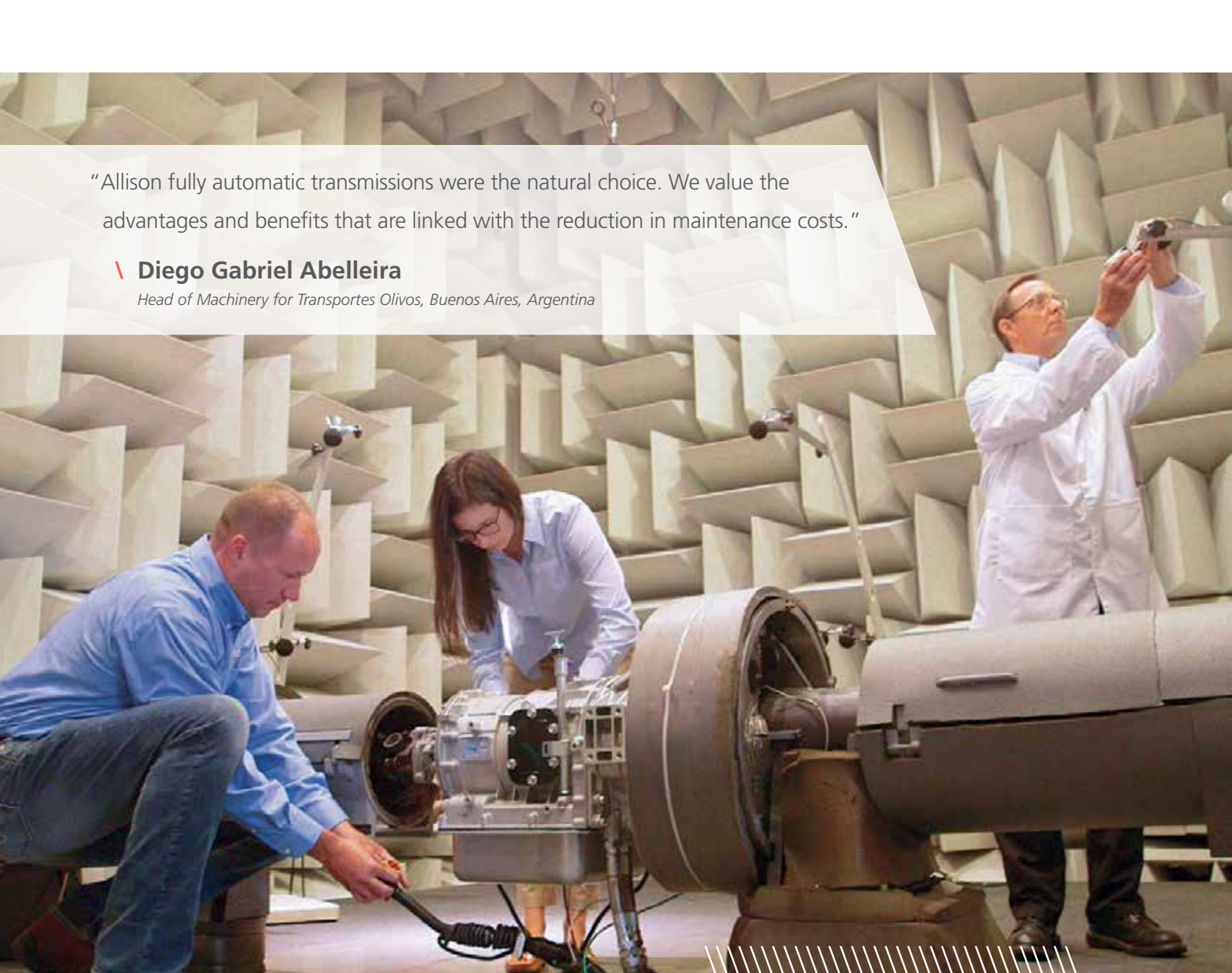


# Innovation

**Today's Allison automatic transmissions are a true example of engineering in action.**

We seek ways to improve products and processes in an effort to add value and create solutions for our customers. How can we make your work more efficient, safer, easier and less costly? These are the questions that lead us to develop products and processes that are customer-focused. Questions that Allison answers with engineering, science and real-world experience.

The spirit of James A. Allison lives on today. Even more than 100 years after he founded Allison, we are still developing the innovative technology and hardware that stretches fuel budgets, eases operation, reduces downtime and puts you in a position to succeed. This spirit has earned us over 1,000 patents and helps us bring new products to markets around the globe. We're giving more businesses and more people the opportunity to change their world.

A photograph showing three people working on a large, complex industrial machine, likely a transmission, inside an anechoic chamber. The walls are covered in white, pyramid-shaped sound-absorbing foam. One man in a white lab coat is standing and adjusting a component at the top of the machine. A woman in a light blue shirt is leaning over the machine, and another man in a light blue shirt is crouching down, working on a lower part of the machine. The machine is a large, cylindrical unit with various components and wiring.

"Allison fully automatic transmissions were the natural choice. We value the advantages and benefits that are linked with the reduction in maintenance costs."

**\ Diego Gabriel Abelleira**

*Head of Machinery for Transportes Olivos, Buenos Aires, Argentina*

# Teamwork

**We get it right by working together.** We develop better solutions by working together toward a common goal. Ideas are refined until they emerge and take shape in the real world. Solving problems as a team makes us increasingly adept at meeting the challenges of the marketplace.

This same commitment to teamwork has put Allison inside the vehicles of more than 300 OEMs worldwide. No matter where your work takes you, an Allison transmission is ready to provide the smooth, continuous power that only a fully automatic transmission can deliver.

Each day, around the globe, Allison is at work to help get the job done.

# Improving The Way The World Works.

# Any Place. Any Time.

## Agriculture

The unique challenges in the agriculture industry — difficult terrain, special technology and a need for innovation and flexibility — require a transmission built for durability and maximum performance. It is in these demanding applications that Allison Automatics excel.

Our fully automatic transmissions deliver the performance and maneuverability you need in off-road operations.

## School Bus

Allison revolutionized school bus transportation when we introduced our fully automatic transmissions decades ago.

Today, nearly all type B, C and D school buses in the U.S. are equipped with Allison transmissions. Our transmissions are built for ease of operation and reliability for a safe, smooth, dependable ride for school children.



## Mining

With more than 65 years of moving earth and rock in coal, copper, gold, silver, diamond and other kinds of mines around the world, Allison fully automatic transmissions are engineered especially for the severe duty-cycles trucks face in mining environments.

Rigid, articulated and wide-body dump trucks outfitted with Allison transmissions will accelerate faster and run at higher average speeds, allowing them to make more runs per day.

## Refuse

Allison fully automatic transmissions provide superior acceleration when compared to manual or automated manual transmissions (AMTs), enabling trucks to collect more trash in the same amount of time. Our transmissions are also built to withstand heavy start-stop duty-cycles and day-after-day use.

Allison is the preferred choice of sanitation departments around the world because they make fleets more productive.



## Construction

When it comes to construction applications, Allison transmissions fit operating requirements better than other transmissions because they've been engineered specifically for the way you work. There are few hills too steep or terrain too tough for an Allison Automatic.

Allison Automatics accelerate faster than manual or automated manual transmissions (AMTs), allowing your fleet to accelerate faster and operate at higher average speeds, meaning more loads per day. More loads mean greater productivity. All mean more to your bottom line.



## Coach

Allison Transmission is committed to providing safe, comfortable, efficient and economical transport for coach passengers around the world.

From smooth shifting and excellent fuel economy to proven durability, Allison has worked consistently to design and build transmissions for the world's finest coaches.

## RV + Motorhome

Relax and enjoy the smooth ride and easy driving experience in an Allison-equipped RV or motorhome.

Allison provides RV and motorhome owners with reliable, automatic transmissions for easy operation, a comfortable ride, increased fuel efficiency and improved safety for a worry-free vacation.



## Tractor

Allison transmissions reduce the total cost of ownership for tractor fleets. With extended periods between maintenance and a proven track record of reliability, our transmissions put you in control of your fleet and your budget.

Our transmissions are designed to handle the heavy loads and high-mileage demands of tractors. Using our patented torque converter and its Continuous Power Technology™, trucks accelerate faster and smoother, providing exceptional fuel economy.

## Distribution

For the distribution industry, moving products quickly and effectively is everything. Allison provides reliable, efficient transmissions to help distributors do just that.

Allison Automatics help you make more stops per day and are specifically designed to improve productivity while running reliably — meaning less time in the shop and more time on the road. Designed for severe, high start-stop duty-cycles, Allison fully automatic transmissions accelerate faster, creating more timely deliveries. They are also easier to maneuver and provide unrivaled durability.



## Energy

In oil and gas fields all over the world, Allison fully automatic transmissions are working to make drilling, fracturing, hoisting and pumping easier and more productive.

From our Continuous Power Technology™ to the ability to easily integrate with specialized equipment, Allison transmissions drive productivity while offering the precise operation that the energy industry requires.



## Port Services

From aircraft refueling trucks to seaport terminal tractors, companies worldwide rely on Allison Automatics for reliable, durable solutions.

Allison fully automatic transmissions deliver unparalleled productivity, reduced maintenance costs, precise vehicle control and creeping capability for the port service industry.

## Specialty

Allison fully automatic transmissions are designed to meet the demands of vehicles that require on- and off-road performance and precise control.

Specialty Series™ transmissions are configured for worldwide use in crane and military-wheeled vehicles. Allison transmissions provide the ability to easily operate in any environment, from city streets and highways to muddy slopes and combat environments.



## City + Transit Bus

From Beijing to Buenos Aires and New York to London, fleets, cities and passengers rely on Allison fully automatic transmissions. We provide the world's most complete line of automatic transmissions for buses. You'll find our transmissions in buses as small as 7 meters (23 feet) to as large as 27 meters (88 feet), and we offer innovative options such as electric hybrid propulsion solutions.

Allison Automatics provide city buses with smooth shifting, excellent fuel economy and proven durability. It's no wonder why more than 100 bus OEMs choose Allison fully automatic transmissions.



## Fire + Emergency

For emergency responders, getting to your destination on time is crucial. An Allison fully automatic transmission features our Continuous Power Technology™, which provides more power to the wheels than other transmission technologies.

Allison Automatics accelerate faster than manual or automated manual transmissions (AMTs) and provide superior launch for up to 35 percent faster acceleration and greater maneuverability on crowded city streets.

## Municipal + Services

Municipal and service drivers perform the work that keeps a community moving — fixing power outages, clearing and cleaning city streets, repairing roads and more.

Allison transmissions are designed to perform at peak level, every single day. They deliver solid fuel efficiency, superior performance, outstanding vehicle safety and unwavering dependability.



## Defense

With more than 600,000 Allison-equipped vehicles produced, Allison Transmission is known as the manufacturer of the world's best propulsion systems for military vehicles.

The exceptional reliability of Allison fully automatic transmissions is crucial. More uptime means crews have more time to spend on training, and this translates to increased mission readiness. Plus, when the vehicles are called into action, commanders can remain confident that the durable construction of their Allison transmission will assist them in completing their mission.



**Better** Productivity

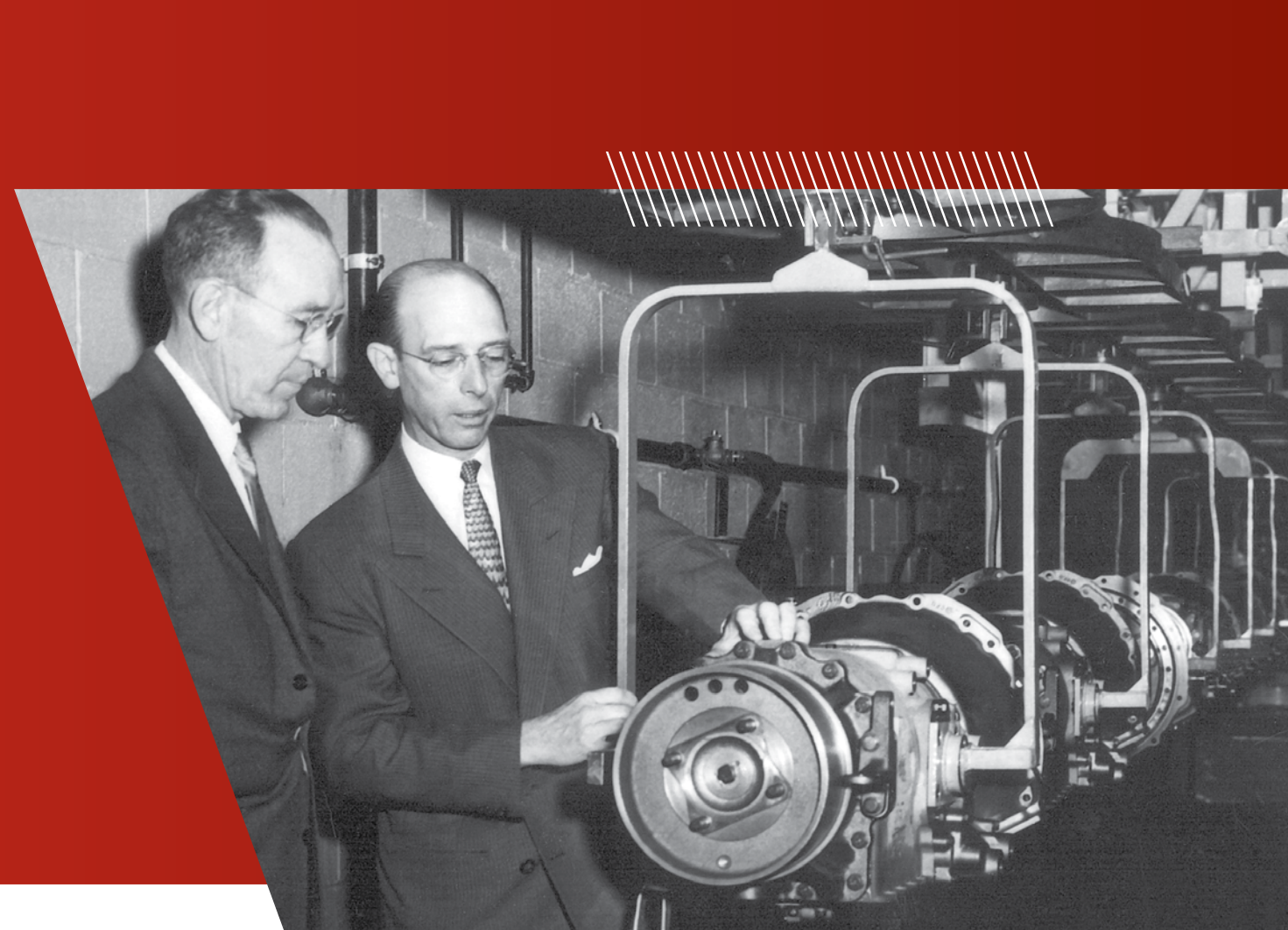
**Improved** Low-Speed Maneuverability

**Increased** Fuel Economy

**Greater** Driveline Protection

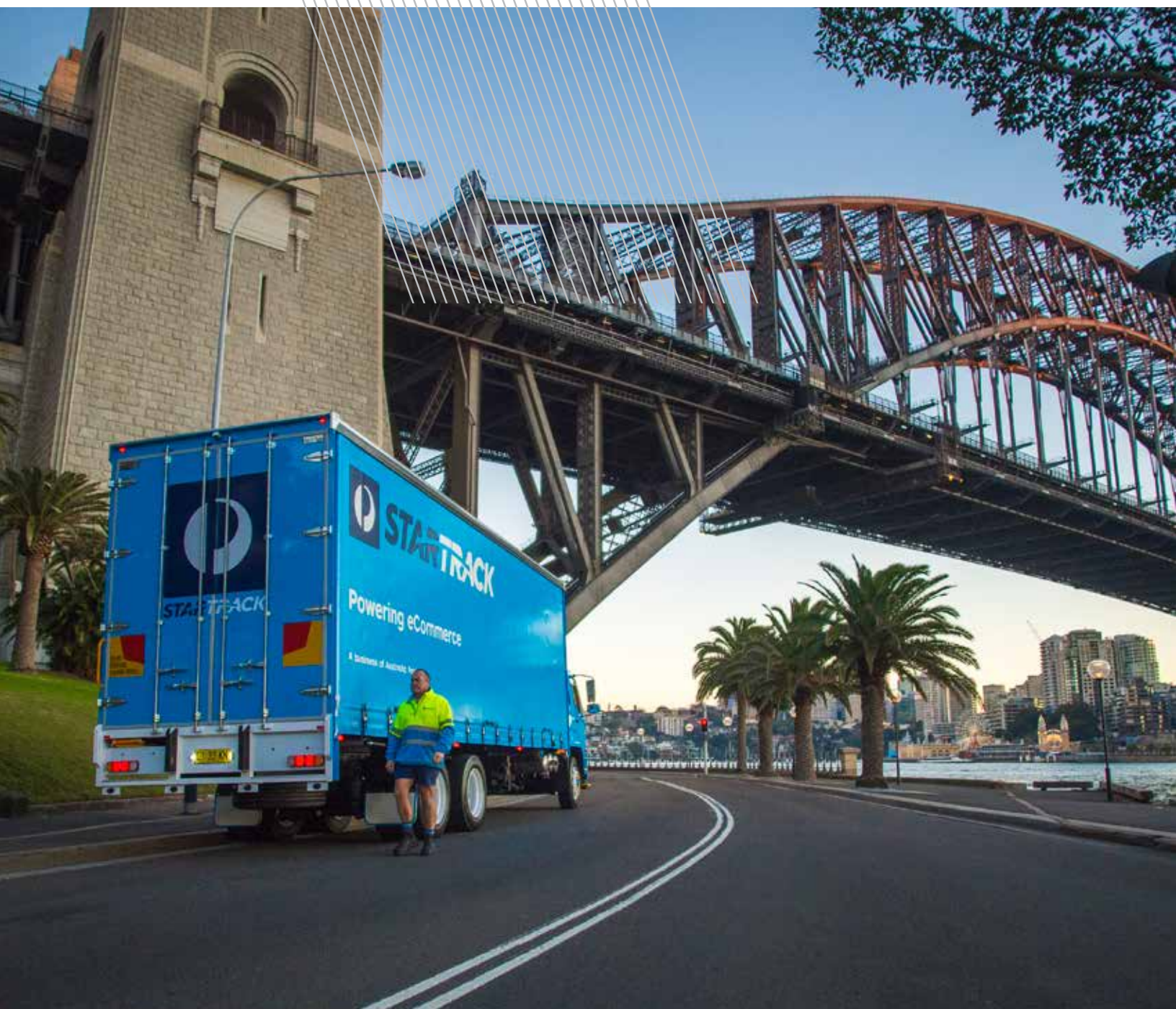
**Reduced** Maintenance Cost

**More** Driver Friendly



## Where **We've** Been

Our company has a long history and heritage of innovation. A vision that began, in part, with the Indianapolis Motor Speedway in 1915 continues to thrive because we've never forgotten the value of innovation, quality products and working to meet the needs of our customers. Today, just as more than a century ago, we're driven by James Allison's commitment to quality.



## The Power Of The Torque Converter

Allison's torque converter smoothly multiplies high engine torque, delivering more power to the wheels. By multiplying the engine power, drivers get increased performance, faster acceleration and greater operational flexibility. An Allison fully automatic transmission increases power while a manual or automated manual transmission (AMT) loses power with every shift. An Allison Automatic eliminates power interrupts so you can accomplish more, even with a smaller engine.

### Automatic Versus Manual And Automated Manual

While the manual clutch pedal is gone in an automated manual transmission (AMT), a mechanical clutch still facilitates the vehicle's launch. This mechanical clutch will wear and eventually burn out and need traditional maintenance and replacement, which means a vehicle spends more time being repaired and less time on the road.

Manual and automated manual transmissions do not benefit from engine torque multiplication because engine torque must be controlled or limited to extend the life of the starting clutch, which limits vehicle performance.

Allison Automatics are unique because our patented torque converter experiences very little wear and our transmissions require only periodic fluid and filter changes to maintain peak performance. When maintenance is required, the Allison is easy to service, which gets your vehicle back on the road as soon as possible.



# Where We're Headed

Continued advances in technology have positioned Allison for the next 100 years. Innovative ideas deliver increased fuel efficiency across all duty-cycles. Our patented torque converter is uniquely able to improve driving performance in CNG/LNG vehicles and electric hybrid propulsion systems, making Allison the logical choice in an era where greener operations are preferred. Today, our engineers are researching the applications and options that will allow our customers to accomplish more while making less of an impact on your fuel budget and the environment.

We are helping our customers accomplish more with less downtime while providing greater value over the life of the transmission and the machine it powers. To us, it's about more than building the world's leading fully automatic transmission; it's about the ability to meet your needs ... here and around the world. Together we are raising the bar, moving mountains, pushing boundaries and remaking the landscape.

# A World Of Support

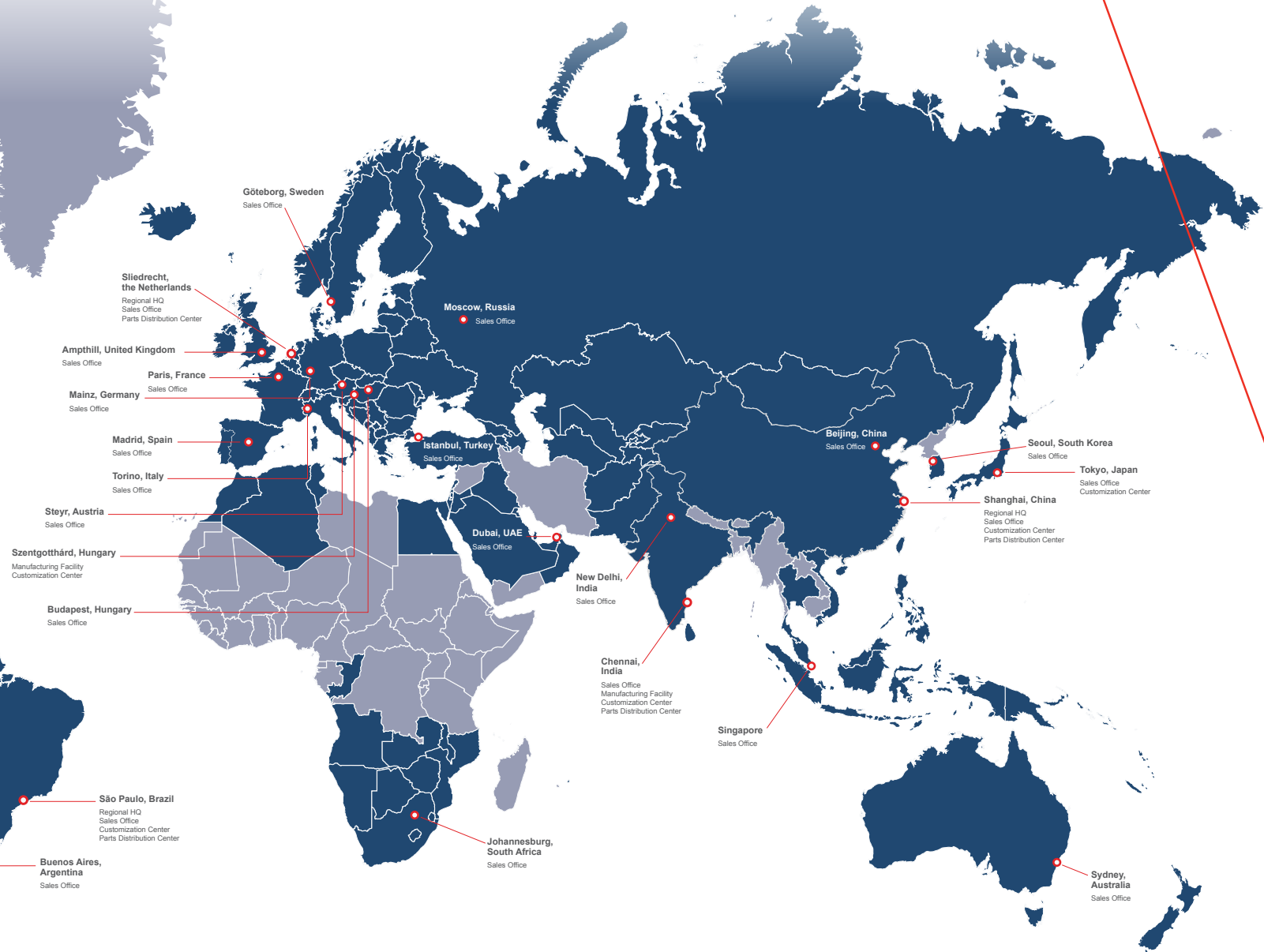
From our headquarters in Indianapolis, Indiana, USA, to our manufacturing plants in Hungary and India, to approximately 1,400 Allison Authorized Distributors and Dealers around the globe, you are never far from the products, training, service and support you demand.

Our support starts from the moment an Allison transmission is specified. We work with you to ensure that the model and ratings fit your engine to create a tailored package of powerful performance and reliable efficiency. When you need parts or service, you can count on global access to factory-trained specialists and Allison Genuine Parts™.



*Manufacturing Facility  
Chennai, India*

*Allison Customer Experience Center  
Szentgotthárd, Hungary*



## Allison Genuine Parts™

The reason Allison Genuine Parts™ work just like the original parts is that they're exactly the same. Allison Genuine Parts are engineered specifically for your Allison transmission using our original factory specifications and state-of-the-art technology unique to our company. Plus, they are backed by our factory warranty and supported by our Allison global service network. Avoid unnecessary breakdowns and downtime. Quality is the best component.





Allison employees out in their community for a volunteer home build.

## A World Of Difference

As a global leader, Allison is making the world a better place. Whether we are involved in the refurbishment of an elementary school in Chennai, India, or supporting disaster relief efforts in Haiti or the Philippines, we strive to positively impact the communities where we work and live.

Our core philanthropic efforts benefit children, education and self-reliance, with a goal of providing assistance and support that exponentially benefits those who receive it. What makes the real difference is the involvement of our employees, whether they are participating in a volunteer home build or supporting wounded veterans. This personal touch and commitment reflects our desire to make the world a better place.



# An Environment Of Sustainability

Allison Transmission continues to upgrade facilities around the world to better conserve and utilize the world's natural resources. By conserving water, recycling and reducing waste, lowering energy consumption and using renewable power sources like wind and solar, Allison is working to ensure a healthier planet.

By improving product efficiency and creating automatic transmissions that allow customers to use clean-burning alternative fuels, such as natural gas, or to operate more efficiently with traditional fuels, Allison is helping customers reduce carbon footprints and the environmental impact of day-to-day operations. These inspired product innovations are not only good for the environment, but also allow Allison to further impact change for the better.



# Excellence Evolves

A lot can happen in more than 100 years — especially at Allison Transmission where excellence, innovation and hard work drive everything we do. From our start in 1915 as a racing company to delivering our 7 millionth transmission, Allison continues to satisfy customer goals by constantly creating and refining solutions.



\ James A. Allison



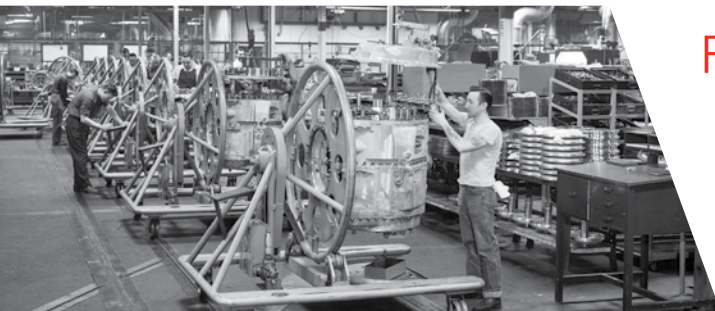
## 500 Miles

Superior engineering, a love of racing and an address just across the street from the Indianapolis Motor Speedway propelled James A. Allison's team to victory at the historic Indianapolis 500 just four years after the company was founded.



## V1710 Takes Flight

During World War II, the liquid-cooled Allison V1710 engine powered high-performance Allied aircrafts — including the Lockheed P-38 Lightning, Curtiss P-40 Warhawk and North American P-51 Mustang.



## Fully Automatic

Allison revolutionized the commercial and military vehicle industry by introducing automatic transmission technology, employing a four-element torque converter and planetary gearing.



## Over 1,000 Patents

As our customers' needs have evolved, so have our products. Over the last 100 years, Allison has patented over 1,000 innovative, performance-driven products and features.

# Values Drive Success

While our products have evolved, our values have remained the same.

Over the last hundred years, Allison Transmission has shown an unwavering commitment to quality, durability and reliability. Some things never change.

## 7 Million Transmissions

We have delivered more than 7 million Allison transmissions — all ready to deliver goods, transport people, shape the landscape and change the way the world gets things done.

## 1,400 Distributors Worldwide

Since 1915, Allison has grown into a global company with approximately 1,400 Allison Authorized Distributors and Dealers across six continents.

## 2,700 Employees

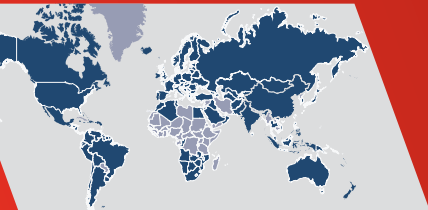
At Allison Transmission, we employ more than 2,700 people dedicated to a shared goal — developing smarter solutions for our customers.

## 300 OEMs

Allison understands the needs of customers and is constantly analyzing, refining and improving their products and features. That's why over 300 of the world's leading commercial and military manufacturers specify Allison products.

## Over 100 Years of Experience

What does more than 100 years of experience mean? Ask someone who operates an Allison. They've experienced the performance and know what it's like to have continuous power when and where they need it.





# The Allison Vision

Be the global leader in commercial-duty propulsion solutions  
that improve the way the world works.

One Allison Way  
Indianapolis, IN USA 46222-3271

Information or specifications subject to  
change without notice or obligation.

[allisontransmission.com](http://allisontransmission.com)

SA8111EN (2018/06)

© 2018 Allison Transmission Inc.  
All Rights Reserved.

