

SSR Performance: New competence centre offers full array of exclusive car services under one roof

- Technical service and unique nitrogen filled car storage in Munich
- Competence centre featuring around 10,000 square metres and six floors
- Tailor made services for classic and race car enthusiasts

Munich, February 2020 – The SSR Performance GmbH, an exclusive car conversion company which made a name for itself in no time, will be based from March 2020 in a new competence and service centre in Munich. It is featuring around 10,000 square metres of usable floor area on six floors, numerous car lifts, an air-conditioned dyno, a show room and a fully automatic nitrogen filled storage space for exclusive cars.

The SSR Performance GmbH started with a single car lift in a 60 square meters workshop in the north of Munich. The company soon began to grow. To meet the ever-rising demand, SSR will put a new competence and service centre in Munich into operation in March 2020. Under the new roof SSR will offer bespoke solutions to a demanding clientele.

Technical service and car storage

Classic cars are more than just “vehicles”. They breathe history, they are covered with legends and myths. For this reason, with sensitivity, highest precision and love for details, the specialists from SSR Performance will take care for repair, proper reconditioning, restoration and maintenance for all cars their customers have at heart. Those who want to store a car for a longer time, at the same time protecting it from environmental hazards, can do so by renting a space in a nitrogen filled garage, which will be available from March 2020. This unique storage keeps a car in perfect shape, at the same time laying the foundations for an increase in value. Protection from theft, fire and corrosion is guaranteed as well.

All types of repair

To a demanding clientele SSR's new competence and service centre offers bespoke solutions including a powerful 4WD dynamometer. The new service centre will unite every car related service under one roof, meeting all requirements of demanding customers as well as proving SSR's deep knowledge of high-performance cars.

Rebuilding of engines and gearboxes

To start the rebuild of an engine, the SSR specialists usually completely disassemble it and measure every single part. Thus, wear and tear can be evaluated in order to specify the necessary restoration work. Depending on its condition, a part can be reconditioned or has to be replaced. In the same way gearboxes are treated. They also will be completely disassembled to evaluate wear and tear. If the needed parts are not in stock or no longer available from the market, SSR will remanufacture them according to the original specification. The result always will be perfect functioning, longevity and durability.



MEDIA INFORMATION

Vehicle measuring

To achieve a safe and sporty handling, every parameter has to be correct, for example camber and toe has to be adjusted perfectly. With comprehensive accident repair it can be ensured that each single dimension of the car equals the original specification.

Calibration of driver assistance systems

Modern cars are full of innovative and advanced driver assistance systems. They control and check every operating status and affect the car's handling. If technically possible, the SSR specialists turn the assistance systems into race mode, depending on track layout and the individual driving abilities of the customer. Thus, the car reaches a higher performance level, at the same time maximising the driving experience.

Motorsport: Passion, adrenaline and speed

The racing activities of SSR Performance are an integral part of their business. In this area as well, the company is close to their potential customers, constantly proving SSR's competence for high performance cars. Adrenaline, speed, passion and professionalism – these are the main ingredients for a lasting motorsport experience on race tracks worldwide. The SSR specialists love the challenge of the most demanding circuits. They are at home in motorsports, because nowhere else the feedback to the work is more genuine. Whether it is about to build up, modify or optimize the race car of a customer, if maintenance work or professional support at any race track is needed – the team of SSR Performance is at the customers' side with passion and expertise.

Fun on the race track – professional support for race drivers

For optimum racing pleasure everything needs to be perfect. That's why SSR Performance cares for preparatory arrangements like choice of race track, set-up of the car, necessary personnel and infrastructure as well as for results analysis. Thanks to the comprehensive support at the race track, the customer can fully concentrate on driving. Depending on his choice, SSR modifies the customer's car or provides a perfectly set-up race car including team personnel. During selected track days, professional race drivers are available to assist as instructors.

Car transport and logistics

Be it a race car, a classic vehicle or an every day's transport – the team of SSR Performance ships and escorts any vehicle safely and reliably to race tracks or a storage place, to maintenance or repairs. On demand, the car can be picked up at the customers own garage and can be brought back after an event, repairs or restoration.

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SSR Performance offers unique nitrogen filled car storage for automobile icons

- **Fully automated car conserving garage for up to 141 automobile icons is available in Munich from March 2020**

Munich, February 2020 – Classic cars and iconic sports cars are more than just “vehicles”. They breathe history, they are covered with legends and myths. For this reason, SSR Performance offers a unique service which stores automobile treasures protected from environmental hazards: a nitrogen filled underground garage, which will be available in Munich from spring 2020. In this conserving atmosphere, a car not only kept in perfect shape, preserving its value. On top of that protection from theft, fire and corrosion is guaranteed.

The around 10,000 square metres big compound of SSR Performance at Helene-Wessel-Bogen in Munich will offer a unique facility which is beyond comparison in Europe. 141 cars can be stored in an underground parking floor which is filled with a nitrogen-rich atmosphere, protecting automotive values against any hazards. Also, the air in the sealed parking floor is kept at constant temperature and humidity. The oxygen level is reduced down to seven per cent. As a result, the risk of corrosion is minimized. Thus, exterior and interior of a sports car or classic car are protected at its best, even for years. Thanks to CCV surveillance, controlled access and a large-scale security concept, the storage also offers a maximum of theft protection.

The parking process itself is fully automated. The procedure is safe and easy. The entry to the compound is located on street level. The procedure is started via a user-friendly terminal. While inside the elevator to the underground storage, the car is checked by integrated cameras documenting the car's condition on entry. After reaching the parking area, special shifters, developed by Lödige Industries, lift the car by touching the wheels only. Before a car enters the storage floor, it will be properly cleaned, also all systems and fluids will be checked in the in-house workshop by the specialists of SSR Performance.

Finally, the flat robotic handling system will transport the car in less than two minutes to its final parking position. Bodywork or chassis will never be touched by machines. All stored cars are permanently supervised by a video security system. Before a car is returned to its owner sometime in the future, it will be thoroughly checked again. The SSR Performance GmbH was looking in vain for a place in Munich to store valuable cars safely and discreet. Therefore, the decision was made to build an adequate storage together with Lödige Industries.

Robert Bawn, as director of Lödige Industries in charge of the whole project, emphasizes: “Although we are used to build fully automated parking systems exceeding 4,500 parking slots, this project was very special for us. The combination of controlled atmosphere, integrated workshop and the special requests of valuable vintage and sports cars was an interesting challenge for our engineers. We are happy that with this great project we could fulfil the high expectations of SSR Performance.”

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Single roller chassis dynamometer for all types of drive trains

- Single roller chassis dynamometer for cars delivering up to 2000 hp

Munich, February 2020 – To check performance and fine-tune of all types of engines, SSR Performance offers the services of an in-house dynamometer, which is one of the most modern and powerful of its kind. Road cars, racing cars and prototypes with all types of drive trains can be measured in order to guarantee optimum performance. Cars with one or two driven axles, traditional internal combustion engines, electric motors or hybrid configurations can be tested as well as transmission systems with manual shift, automatic gearbox or dual-clutch configuration. The dyno can handle engine power up to 2,000 hp and top speed up to 350 kph.

Because of the single roller technology of the dynamometer at SSR, all measurements are extremely accurate. The controlled stream of air with a speed of up to 200 kph and a volume of up to 130,000 m³/hour through the main fan and two additional fans delivering up to 4,000 m³/hour each onto the rear of the car allow testing middle- and rear-engined vehicles as well. The conditions are nearly identical to driving on a real road, additionally they are reproducible whenever necessary.

Main characteristics of SSR's dyno:

- power measurement and fine-tuning of standard, performance-enhanced and race engines
- front-wheel, rear-wheel and all-wheel drive
- electronically controlled synchronisation of front and rear roller for drive concepts with active power distribution
- front-, middle- and rear-engined cars
- internal combustion engines, electric motors and hybrid configurations
- up to 2,000 hp
- all types of transmissions, including double-clutch solutions
- width of the rolls from 80 to 230 centimetres
- wheel base 2.20 to 3.20 metres
- maximum test speed 350 kph
- main fan with air volume of up to 130,000 m³/hour
- two auxiliary fans with air volume up to 4.000 m³/hour each, e.g. for rear-engined cars
- air velocity through all fans up to 200 kph
- intake air temperature at a constant 20° C (+/- 1° C) with outside temperatures ranging from -15° C to + 32° C
- water injection into air stream to simulate high humidity
- individual tune-up with freely programmable load simulation
- check of speedometer accuracy
- check of recuperation capacity of electric and hybrid cars
- nitrogen-based fire extinguishing system

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