

## Volvo Car Charleston - Volvo Cars' first American factory

Volvo Cars' manufacturing operations have undergone a massive transformation since the company was acquired by Zhejiang Geely Holdings in 2010. Volvo Cars has established manufacturing facilities in all its major sales regions and now produces cars in Europe, Asia and North America, in line with the principle of 'build where you sell'. The Charleston plant is the latest addition to Volvo's manufacturing network and has been set up according to Volvo's global manufacturing standards, perfected over the years in the company's European and Asian plants.

<b>Plant</b>	<b>Charleston (VCCH)</b>
<b>Plant location</b>	Berkeley County, South Carolina
<b>Factory size</b>	1,600 acres/ 6,475,000 square metres
<b>Factory capacity</b>	2.3 million sq. ft. of building space
<b>Broke ground</b>	September 2015
<b>Planned start of series production</b>	Late 2018
<b>Total investment</b>	\$1.1 billion (US)
<b>Number of employees</b>	Projected 1,500 employees by the end of 2018, to expand to around 3,900 people over the next 5 years
<b>Facilities</b>	Body shop, paint shop, final assembly, vehicle processing centre, learning academy
<b>Production capacity</b>	Up to 150,000 cars per year with full production of two car lines – S60 and next generation XC90
<b>Models in production</b>	New S60 sedan, late 2018
<b>Models planned for production</b>	Next generation XC90 SUV, planned 2021
<b>Certification</b>	ISO 9001:2015 and ISO14001:2015 (by the end of 2018)

## **VOLVO CARS GLOBAL MANUFACTURING QUALITY**

### **Global manufacturing system**

Volvo Cars Manufacturing System (VCMS) is the backbone of all industrial operations, developed to secure that work is standardised through common global processes, systems and methods. This ensures that all Volvo cars across the world maintain the high quality standards Volvo customers expect.

### **Global quality standards**

Volvo Cars' global quality engineering, quality audit and quality assurance standards ensure that all Volvo cars are of the exact same high quality, regardless of where it's produced. Volvo Cars' global quality standards consist of an extensive series of requirements, processes and demands that ensure that each car leaving a Volvo plant is of the highest quality.

### **Global training standards**

All employees working in Volvo Cars' plants have been trained according to Volvo Cars' global training standard. A majority of the employees receive their training in the plant, either through working side by side with experienced colleagues from the other plants, or with colleagues who have been to other plants for training. All new employees undergo an average of one-and-a-half months of training to get familiar with VCMS and company culture.

### **Global safety standards**

No employee should be seriously injured in the workplace. Special care is therefore taken in all Volvo Cars plants to reduce accidents and provide Volvo Cars employees with a safe working environment. Tooling and equipment are up to the same high standards in all Volvo Cars plants.

### **Global environmental standards**

Volvo manufacturing plants around the world adhere to Volvo Cars' environmental standard, ensuring that all manufacturing operations limit their environmental impact as much as possible. Volvo Cars does not compromise environmental performance, and its factories tend to perform better than the legal requirements.