Services for the A380
Maintaining the flagship
With the Airbus A380, once again Lufthansa Technik helped turn the vision of a new aircraft into a working and profitable reality. From day one of its development, we took part in the design process, thus optimizing later maintenance operations of the aircraft. Drawing on our extensive experience helped us foresee problems and help avoid them.

In dialog with the manufacturer, engineers of Lufthansa Technik were able to suggest small changes in design that led to considerable improvements. The aim was to make sure that all maintenance work in the life cycle of the A380 can be carried out quickly, easily and economically.
Thinking ahead for global operations

Due to its size and the multitude of evolutionary technologies it features, the A380 represents a new class of aircraft. It is the largest long-haul aircraft ever built, and it demands equally large investments in infrastructure, equipment and training. In order to achieve these goals, we created partnerships with other airlines and selected manufacturers.

To handle the need for component services, Lufthansa Technik has joined forces with Air France and founded Spairliners, ensuring fully integrated component support for A380 fleets around the globe. And through its joint venture N3 Engine Overhaul Services, Lufthansa Technik has established the Trent engine overhaul specialist that covers all aspects of maintaining this A380 engine.

Ready for take-off from day one

Having gone to great lengths to make sure all the necessary maintenance facilities and engine shops, component supply chain and engineering capabilities were up and running for the first A380 operators, the new flagship is flying with a very high reliability since day one of operations.

With the A380 already being a backbone of the high-capacity long-haul fleets of several leading legacy carriers, the initial euphoria has quickly given way to established routines that ensure consistent quality and reliability. So, the A380 may be a new and exciting plane, but to us, it’s already an old friend.
Life cycle efficiency for the flagship

Lufthansa Technik is putting its many decades of experience in providing optimum and globally available maintenance, repair and overhaul services for the world’s largest passenger aircraft and its components and engines.

Production inspection ensures quality

Many carriers like to think of newly ordered planes as their “babies”. If we stay with that metaphor, then Lufthansa Technik is like the ultrasound technician who keeps track of the development of your pride and joy. Our inspection staff is embedded in all major manufacturers’ production facilities. These expertly trained and highly experienced employees keep a close eye on your A380 at every stage of its assembly.

Economies of scale in components

To handle the need for leading component services, Lufthansa Technik and Air France joined forces and founded Spairliners, which ensures full component support – from pooling and repair to AOG assistance – for A380 fleets around the globe. Spairliners offers a one-stop shop solution and A380 customers enjoy cost benefits that are normally only achievable by large fleets of a single aircraft type.

Dedicated maintenance hangars

With our global maintenance network’s dedicated A380 hangars we achieved a spot on the shortlist of the biggest industrial buildings. Our hangar in Frankfurt, for example, covers nearly four league-sized soccer fields and rises to 27 meters without a single column. Ameco Beijing’s hangar in China even has enough space to work on four A380s simultaneously, and Lufthansa Technik Philippines has recently added another A380 hangar.

Lufthansa Technik has invested heavily into the maintenance infrastructure and has created partnerships around the globe to support the megaliner.
Ultra-modern engine support
N3 Engine Overhaul Services facility in Arnstadt, Germany – a joint venture with manufacturer Rolls-Royce – represents one of the world’s most advanced and best-equipped engine shops worldwide. Furthermore, the engine shop at Frankfurt also has commenced the comprehensive servicing of the A380’s Trent 900 engine. The service spectrum extends to extensive on-wing services carried out by our Airline Support Teams (AST®).

A380 VVIP Completion
Lufthansa Technik’s renowned Completion Center in Hamburg is preparing to fit out a VVIP version of the world’s largest commercial aircraft.

Ground support and equipment
Ground support specialist Lufthansa LEOS has inaugurated the newest tow tractor, capable of towing the A380, and has developed the rear dock for the A380 hangar in Frankfurt.

A380 Maintenance Services
The complete portfolio of line and heavy maintenance services offered for the A380 illustrates how well Lufthansa Technik can draw from its experience in supporting a worldwide fleet of aircraft of every size. With the A380 calling for large investments in infrastructure, equipment and training, Lufthansa Technik has constructed new large hangars in Europe (Frankfurt Airport) and Asia (Ameco Beijing and Lufthansa Technik Philippines). They provide enough space to accommodate the A380 and are equipped with all necessary tools and equipment for servicing the aircraft.

For more information:
www.lufthansa-technik.com/a380