

Case Study: Ludwig Erhard Haus

BERLIN, GERMANY

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Goodwin International is a world leader in the supply of large precision machined high integrity components including pressure vessels, gas turbine parts and power station valves amongst other applications.

We are also an accomplished supplier to the structural sector. With our sister company Goodwin Steel Castings we produce a variety of components including the supply of castings, fabrication, machining and subassembly in a wide range of materials from carbon steels to the more exotic stainless and duplex stainless grades.

Fully machined castings play an important role in architecture and design, both as load bearing structural components and decorative castings to enhance the aesthetics of buildings and structures.

Goodwin has a proven track record for taking architectural castings from concept, through design and prototyping to finished product. Goodwin personnel are engineers themselves and as such are able to work with a customer's design and consulting engineers to provide a workable solution from first principles.



The Ludwig Erhard Haus building in Berlin, Germany

The prestigious Ludwig Erhard Haus project was one such project where our customer directly benefitted from Goodwin's expertise in castings, from concept through to completion. Within the building the upper floors are suspended from fifteen elliptical arches to give flexibility for both usage and servicing.



Wooden pattern for the foot casting

The Ludwig Erhard Haus was designed by British architect Sir Nicholas Grimshaw, who won the design competition run by the Berlin Chamber of Commerce for generating the best design for this prestigious building.

Goodwin supplied the large stainless steel leg and foot castings for the Ludwig Erhard Haus in Berlin. The building houses the New Stock Exchange and Berlin Chamber of Commerce. The pattern for the casting is shown above.

Early consultation with Goodwin provided confidence and also provided an opportunity to optimise the design in order to obtain lower costs and shorter delivery lead times.

Stainless steel cast foot for the Ludwig Erhard Haus, assembled and in position, consisting of two cast cladding pieces and one foot piece. The castings were surface ground, grit blasted and then acid pickled in order to achieve a uniform and pleasing finish, free from rust contamination.



Row of cast feet on Erhard Haus Building in Berlin, Germany