

# Industrial Demolition with Liesegang!

Demolition is not a protected term! Every gardener and landscaper or earthwork and civil engineer with „a shovel in the garage“ can use the word demolition in his/her letterhead. The largely unqualified staff of such companies will certainly be able to „demolish“ the shed in the garden, but this rarely bears any relation to proper and professional work.

For this reason too, we hold various certifications (SCC<sup>p</sup> ISO 9001, EfBV, WHG) as well as the RAL quality mark for all classes of demolition work (HA3 structural demolition > 20 m, HA3 blasting demolition, AB work in building stock, AK work in contaminated areas).

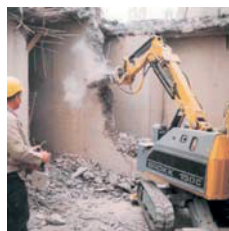
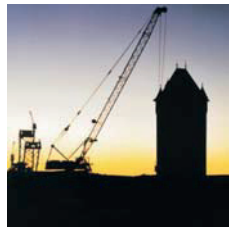
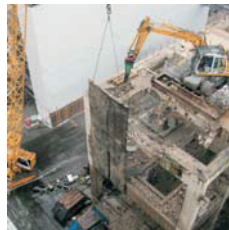
Demolition is now increasingly governed by strict requirements and restrictions. Tougher environmental laws, improved industrial safety regulations and extended liability regulations demand careful selection of the executing company by the client.

With over 80 years of experience in industrial deconstruction, our company is a competent partner in the deconstruction of buildings or plants.

Whether an entire building and plant complex, individual building, parts of a building, or just a whole in the wall – at Liesegang, we always find a solution!

In addition to standard demolition equipment, such as 20-72 t hydraulic chain and mobile excavators and wheel loaders up to 20 t, our extensive range of machinery also includes special demolition equipment such as long front hydraulic excavators with working heights of 23-30 m and an 80 t cable excavator with working heights up to 65 m. Our small equipment range includes compact loaders, miniature excavators and remote controlled demolition robots, which allow efficient demolition work even in confined spaces.

We have appropriate demolition tools for all of the demolition machines, such as hydraulic hammers, concrete crushers, primary and secondary concrete pulverisers, combi shears, scrap shears, vessel crushers, sorting grapples, bucket grapples, polyp grapples and buckets.



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Our extensive range of tool equipment comprises, for example, concrete cleavers, hydraulic splitters, concrete saws, floor cutters and drills, pneumatic demolition hammers, saws, nibblers, milling machines and punches.

In the area of autogenous separator technology, our specialists have experience in autogenous flame cutting, handling oxygen lances, electrode flame cutting, plasma cutting and handling oxygen flammers for separating thick-walled steel materials of several decimetres.

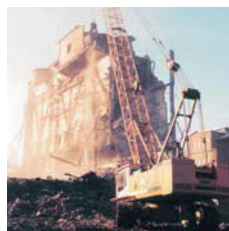
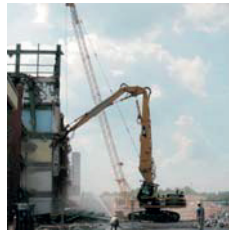
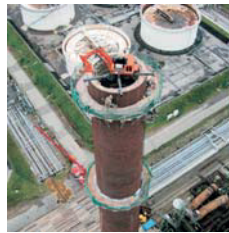
Our engineers and stress analysts produce the required deconstruction statics as well as the most cost effective and environmentally friendly deconstruction concept.

This is advantageous particularly in the case of highly complex tasks such as the case with the collapse of the Cologne city archive in March 2009. Responsible action is the foundation of safe work.

Within demolition technology, we at Liesegang specialise in the service areas of structural demolition, the deconstruction of power station boilers, the demolition of small equipment in confined conditions, chimney demolition, and the demolition of building stock.

Structural demolition of very tall buildings or plants presents high demands in terms of equipment technology and particularly in terms of the qualified staff required for the effective, safe and economical completion.

Because of the potential risk to the surroundings and because the power station is generally in operation, the demolition and asbestos remediation of power station boiler plants is a challenging task, which demands a deconstruction concept with detailed co-ordination. In the last 15 years, we have carried out over 40 deconstruction measures. We develop custom made concepts with special hanging scaffolding and winches.



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We have the appropriate know-how and the required special equipment for the conventional deconstruction of industrial chimneys. With the use of innovative bracket scaffolding, we are able to reach any working height within the shortest time. Alternatively, we use the execution of collapse blasting, falling direction blasting with or without a shortened falling direction, or chimney folding, in order to achieve economical deconstruction costs on tall, slender structures.

With specially designed hanging and chassis structures, we are able to carry out demolition work effectively even in relatively inaccessible areas, using remote controlled demolition machines. We achieve optimum results with the use of various special tools (such as air, hydraulic, electrical or power tools) or the use of remote controlled miniature excavators.

The demolition of plants in the steel industry is also part of our service portfolio. Whether demolition of a furnace bear, the eruption of refractory lining in furnaces, cowpers or coke oven batteries, or the complete demolition of entire plants – our decades of experience makes us a powerful partner, providing everything from one supplier: demolition, clearance and blasting work.

