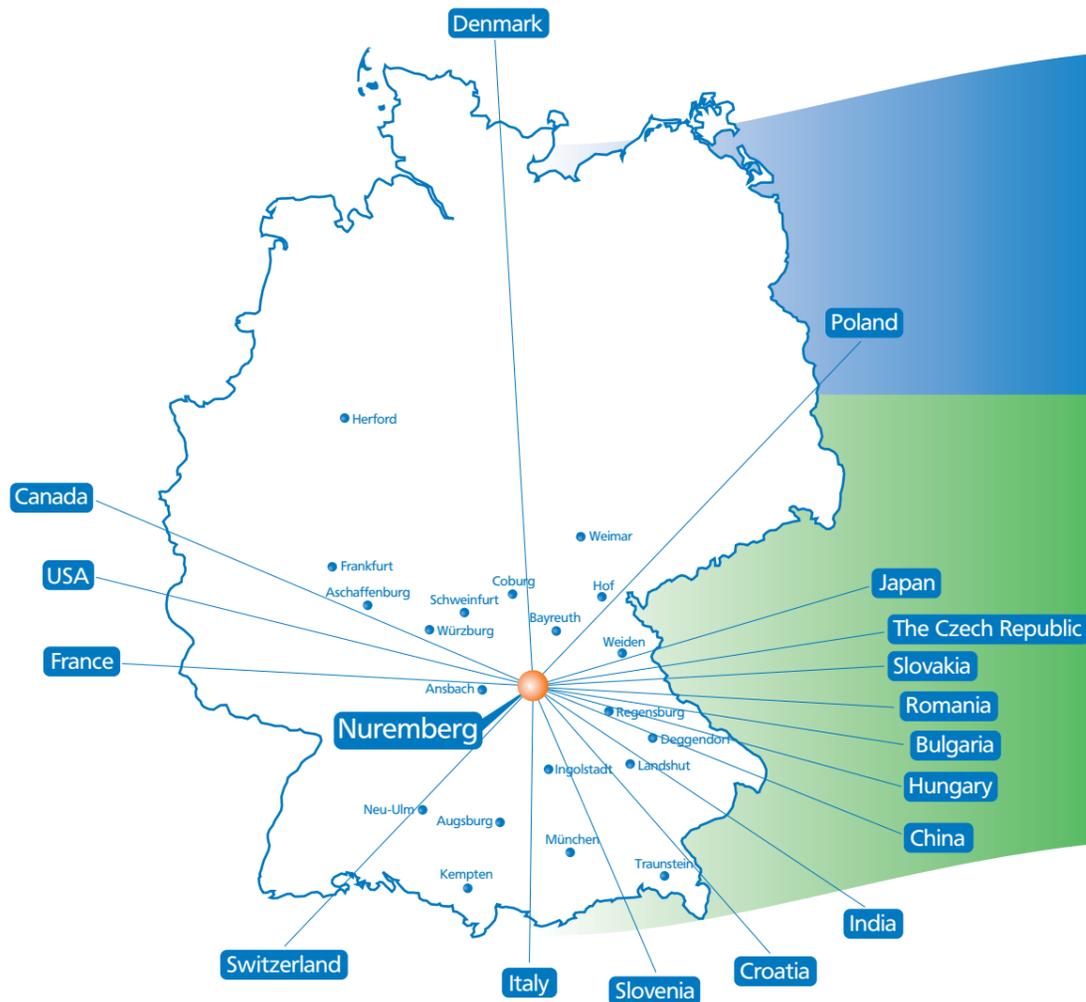




Over 20 locations in Germany...  
Worldwide in the service of business...



# LGA Institute for Environmental Management GmbH

- Pollution Management
- Military Land Use
- Deconstruction
- Land Recycling
- Water Management
- Geographic Information Systems (GIS)
- Environmental Impact Studies
- Environmental Geology



Consulting  
Testing  
Investigating  
Appraising



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# LGA Institute for Environmental Management GmbH

## Trustworthy Findings – Solutions you can count on...



As a member company of the LGA Group, we provide trustworthy solutions in the special fields of Environmental and Geo-Consulting for European and worldwide industrial, business, and public sector clients. Our highest goal is to offer our customers the benefit of our extensive experience in the estimation and evaluation of technical and environmental questions, and to provide them with solutions they can count on.

Competence, dedication, and creativity are the tools of our technical-expert teams which consist of experienced Geologists, Geo-Ecologists, Geographers, Engineers, and Agricultural Specialists. Together with over 850 LGA employees, we also leave no stone unturned in providing solutions and technical advice in questions of Construction Engineering, Emissions Control, and Valuations.



### Pollution Management

Due to possible contamination, the purchase or sale of business and industrial lots or buildings can carry significant economic risks. Notarized statements in purchase agreements have too often proven to be insufficient protection. Only through investigations in advance of a real estate sale, can both the buyer and seller gain the necessary security.

**We offer:** Historical research, orientation and detailed site investigations of soil, ground-air, and water. We also offer building material risk assessments, evidence collecting investigations, legal opinions, and evaluations of previous pollution reports.

**Your advantage:** Minimization of your economic risks in deconstruction, rehabilitation, or removal of building structures.

### Military Land Use

Military contamination is a very specialized field of pollution management. Generally speaking, any location which has been involved in the manufacture, laboratory testing, storage, or destruction of ordnance is affected. Closely connected to this is the military land use of training areas, barracks, and airfields, etc. Proper handling of this subject area not only requires specialized knowledge in armament and military history, but also in the chemistry of ammunition constituents.

**We offer:** Extensive specialized knowledge, (membership in ITVA-Technical Committee for Military Land Use), our own expert library, Geo-referencing of aerial photos, digital analysis, GPS supported localization of suspected areas, historical research, technical site investigation, risk analysis, and preparation of remedial concepts.

**Your advantage:** Security in current and subsequent use of military areas.

### Deconstruction

Not only can industrial buildings contain hazardous materials, but also residential and office buildings have been seriously affected by the use of hazardous building materials. If these materials are mixed with non-hazardous waste during deconstruction, the result will be unnecessarily high waste removal costs.

**We offer:** Construction and use research, building inspection, technical site investigation, data management with our Geographical Information System (GIS System), and rehabilitation cost estimates, including: controlled demolition, deconstruction and clean up concepts, removal concepts, and preparation of bid requests.

**Your advantage:** Liability protection, knowledge of contamination clean up costs, elimination of planning and investment restraints caused by the pollution, and avoidance of construction progress delays and unnecessary downtime.

### Land Recycling

Due to enormous land use, city planning today focuses on the development of former industrial sites and business areas.

**We offer:** Qualified opinions concerning site pollution, foundation soil conditions, economic parameters, commercialization and development opportunities, determination of market and loan values, and an internet presentation.

**Your advantage:** An extensive "Site Potential Analysis" from one convenient source.

### Water Management

Clean ground water is essential in supplying people with their most important resource, fresh drinking water. Unfortunately, drinking water only seems to be in abundant supply. The fact is that continually increasing pollution interferes with both the quality and the amount available.

**We offer:** Immediate measures for drinking water protection, marking and monitoring of water protection areas, site investigations of ground water resources – including mineral and thermal water, pumping tests, tracer tests, water analysis, concepts for ground water conveyance, preparation of bid requests, construction supervision, ground water monitoring and geothermal use.

**Your advantage:** Sustained conservation of highly valuable resources.

### Geographic Information Systems (GIS)

Thanks to GIS, diverse data can now be linked to provide answers to a wide variety of questions. The combination of visual depictions (maps, plans, etc.) and database content (measurements, categories, etc.) has led to a significant gain – not only in evaluation quality, but also in the speedy entry of current data.

**We offer:** Analysis and reconditioning of spatial stock data for soil, ground water, and pollution data, as well as, the rectification of aerial photos, the development of data models, support in system selection, and in data capturing.

**Your advantage:** Objective advice and the avoidance of data graveyards.

### Environmental Impact Studies

The law concerning Environmental Impact Studies states that appraisals on the effects to people and to the environment must be completed on projects and planned construction of a certain size. Generating stations, rock quarries, and building in zoned areas are all examples of construction projects requiring an Environmental Impact Study before they can be authorized.

**We offer:** Site inspection, appraisals of the actual situation, protection considerations, forecasts on the environmental impact of planned construction, and strategies for the avoidance or minimization of negative impacts.

**Your advantage:** You receive the qualified and professional groundwork required by the authorities for the permit procedure from an interdisciplinary team of experts.

### Environmental Geology

We usually experience the destructive forces of nature on television from far parts of the world. However, there are also areas in our own close proximity where rockslides, landslides, and other potential hazards lurk.

**We offer:** Cliff inspections with risk analysis, remedial concepts for slides which have occurred, scientific soil charting, appraisal of agricultural areas, site assessments for pits, quarries, and strip mines, site searches for cemeteries, and environmental risk analysis.

**Your advantage:** Avoidance of subsequent costs through the early recognition of hazardous areas.

## Quality Assurance

The quality of our services is assured by an extensive management system which is anchored in our ISO 9001:2015 certification. Additionally, the institute is accredited by DAP (the German Testing Accreditation System) to take soil, water and building material samples, and is further recognized by BAM/OFD for sample removal on federal sites. In addition to our being a licensed examination center, several of our employees are also recognized as experts according to Paragraph 18 of the German Soil Protection Act, and/or recognized as Publicly Appointed and Notarized experts by the Chamber of Industry and Commerce (IHK).

