



Structural monitoring

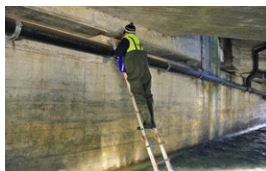
Infrastructure | Buildings | Industrial structures

# mageba services – expertise on grounds of comprehensive experience



## SERVI Inspect Structure Inspection

competent, meaningful, cost-conscious



**mageba**



## Structural monitoring

# Our Proposal is your Benefit

### Importance of structure inspections

Bridges are a key factor in traffic infrastructure. Long life span, reliability and structural safety are essential characteristics these structures shall feature. Profound knowledge about a bridge's condition is therefore inevitable. Moreover, the identification and repair of damages at early stage is mostly much cheaper than the refurbishment of a lately detected damage.

### Required experience

Highway authorities, operators and other bridge owners bear a high degree of responsibility for the general public. They therefore search for reliable engineers, structural monitoring and professional partners.

As manufacturer of bridge components, mageba provides both a structural monitoring system ROBO®CONTROL (based on sensors) and on-site inspection of bridge bearings and expansion joints. The inspections are based on valid standards and regulations; every single demand of the bridge component is well known to mageba.

Thanks to a detailed knowledge about manufacturing processes, tolerances, static demands and spare capacity of every component, conclusions about the current condition of the components in question can be drawn quickly. Moreover, long experience in refurbishment projects enables mageba to advise measures to be taken. In case of urgent requirements, repair works can also be done at very short notice.

### Customer benefit

The main advantage of inspections is the gained knowledge of the components' actual conditions. The present situation is documented in detail and provides a reliable reference for future inspections. This allows for the detection of long-term trends and is hence reasonable without a specific suspicion of damage. Based on the inspection documentation, the client can implement a detailed maintenance plan and will know about the resilient life time of the inspected component.

### Customer support

Our product specialists will be pleased to advise you in the selection of the optimal solution for your project, and to provide you with a quotation.

On our website [mageba-group.com](http://mageba-group.com) you will find further product information, including reference lists and tender documentation.

### Key benefits

- An **estimation of the resilient life time** of critical components can be given
- Clear picture about **effective condition** of bearing / expansion joint
- Damage, lack or irregularities are monitored, marked and documented **at early stage**
- Reasons for damages are investigated and **concepts for refurbishments are elaborated and tested**
- Feasibility of changes in the static system of bearings and expansion joints are **tested and approved**



- 1 mageba team preparing for an inspection
- 2 On-site status analysis of bridge bearings
- 3 On-site inspection of an expansion joint

### Services by mageba



Structural Monitoring



Inspections



Testing



Repair and Replacement

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engineering connections®