

## Videoscope application in the building industry

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The application purposes in this industrial and commercial sector consist mostly in the detection of:

- Damage caused by the climatic and biological influences (corrosion, cracking and mold)
- Documentation of repairs and renovations
- Damage of supply and disposal technique (oil, gas, water and sewage)

In order to undertake these pretty much different inspection tasks the video scopes with small camera diameters (for the analysis of voids and cracks) and short hoses or also conduit or pipe borescope cameras with the hoses up to 100 m and cameras with bigger diameters are used. In addition to the traditional researches more and more often borescope is used for discovery of the hidden pest nests and the detection of the infested building materials. This can also be a hidden mold growth. Lots of service providers offer to conduct a check in the building, for example, before purchasing the property.





The assessment of the ventilation systems, air ducts and conditioning systems in private and commercial area is also of a very big importance. Very dirty and because of that hygienically questionable equipment represent a serious health risks. Video scope cameras serve for example, for pre- and post documentation during the cleaning works in the ventilation systems and ventilation



supply systems. Additionally, the weak points on the pipe connections and joints, which cause the flow profile or bring to leaks, will be visible. These mistakes can easily be detected with the help of an borescope.

The inspection of the exhaust systems especially in Germany is subject to legal requirements. It can involve the inspection of the exhaust pipes first of all in the industrial and commercial areas as well as check of chimneys and fireplaces in private houses. In any case the borescope serves the trained used to detect the undesirable material structure and shows him exactly where the cleaning work should be carried out.

Pipe cameras are mainly used in water supply and drainage as well as in longer channels. The inspection of channel nets and the documentation of the structural condition is very often a difficult and costly task for municipal waterworks and disposer, but also for the technicians in the industrial and waste water treatment plants.

