



## Inspection of steam appliances

Do you use steam appliances in your undertaking or organisation? Do your steam appliances fulfil the requirements and conform to the applicable standards? Our experts conduct the necessary checks and are approved to issue you with a certificate.

### Your tailor-made solution

The laws require that undertakings or institutions that use steam appliances should have an inspection conducted of such installations by an EDTC (External Technical Inspection Service). Vinçotte will carry out the following inspections in accordance with the provisions of the law as an EDTC:

- inspection in case of (re)commissioning:
  - verification of the construction documents
  - presence and proper operation of the safety facilities required under the regulatory framework
- hydrostatic testing
- inspection of the repairs
- periodic inspection:
  - external inspection
  - internal inspection
  - internal inspection – presence and proper working of the legally mandatory safety facilities
  - water treatment

### Your result

If your equipment fulfils the requirements of the law, Vinçotte will issue you a certificate that will prove that the inspected steam devices fulfil the requirements and the provisions of the applicable laws, and may therefore be regarded as functioning within safe conditions. The inspections also make it possible to closely monitor the evolution of the condition of your steam appliances and the safety arrangements. In addition, these checks provide the assurance that the various safety aspects are being duly complied with.

### Please note

#### Legislations

In order to prevent accidents, the government has made existing legislation more stringent in October 1991, through a Royal Decree and a Ministerial Decree on steam appliances. Europe has issued a directive to create a free European market, and thereby to remove barriers to trade within Europe if any, namely the pressure equipment directive 2014/68/EU (formerly 97/23/EC). In addition, due account must be taken of the requirements contained in the environmental permit.

Periodic internal inspection: This inspection requires that our experts enter the steam appliances in order to be able to assess the condition of the equipment from inside. Before this is done, the equipment must first be switched off, cooled down, isolated with blank flanges for other installation components, adequately and permanently ventilated, and a supervisor should also be appointed to notify the emergency services and to provide assistance in case of problems.

#### Norms and Standards

NBN I 01-002, NBN EN 12952, NBN EN 12953, NBN EN 14222, TRD 604, etc.

## In which situation?

These services are mandatory for companies or institutions that use steam appliances.

The statutory obligation to have steam appliances inspected applies to the following installations:

- steam generators
- steam tanks
- low pressure steam generators
- heat exchangers
- industrial installations for the production of hot water

Periodic internal inspection: This inspection requires that our experts enter the steam appliances in order to be able to assess the condition of the equipment from inside. Before this is done, the equipment must first be switched off, cooled down, isolated with blind flanges from other installation components, adequately and permanently ventilated, and a supervisor should also be appointed to notify the emergency services and to provide assistance in case of problems.