

NTA T.S. combines professional skills with a long-time and considerable experience in the field of technical services and industrial maintenance.

The company mission is based on a specific design that defines our evolution: the constant vocation for research and experimentation.

For us, the ability to innovate means helping to find unique technological, high-performance and environmentally sustainable solutions.

This approach is reflected in the way we adapt existing solutions to new possible uses, we test and build prototypes that can become professional applications, we implement already developed technical solutions to continuously improve them.

Our services are the result of our company policy, and of the operational combination of technical innovation and top-quality performance.

Our goal is to offer highly effective technological solutions in the civil and industrial sectors, with a distinctive feature: full compliance with strict environmental sustainability criteria.

NTA T.S. is a well-structured company that can handle complex projects for industrial clients of different sizes, as well as operations in the urban sector both for private entities and public administrations.

Relying on our services means counting on specialized engineers who can operate with their teams and equipment promptly, with flexibility and competence.

Hydrodynamic cleaning services for the urban and industrial sectors are our core business.

In this field, we can rely on a tool that perfectly embodies our idea of innovation. As a result of our research, we have developed a unique and exclusive system – currently covered by an international patent - for hydrodynamic cleaning, based on HIGH-PRESSURE UNITS (0-2500 bar) and LOW FLOW RATE (2-4 litres of water per minute).

Thanks to this technological solution and its constant evolutions, we can guarantee the most effective cleaning operations, while respecting the environment:

- **minimum water consumption**
- **minimum waste production after cleaning**
- **minimum use of chemicals**

Thanks to the variable combination of low flow rate, high pressure and high rotating energy of specific nozzles, we can create a water jet that cleans surfaces without damaging them.

With this technology, NTA T.S. can now operate both in the urban and industrial sector with flexibility, operating effectiveness, speed and minimum environmental impact.

Another great achievement of our company is the use of nanotechnologies. Thanks to the collaboration with international groups and the research carried out by some universities, we have been able to develop projects on nanostructured products and application technologies.

By combining the cleaning treatment with our exclusive systems and the application of products based on nano-molecules, remarkable results can be obtained in terms of protection of the surfaces treated to remove dirt and pollution.

The positive effects of antibacterial coatings developed using silver nanoparticles and very fine inert materials have also been proven in indoor spaces, especially in very busy environments, where it is possible to obtain surfaces that can purify and ionize contact air.

Visit our website [www.ntats.it](http://www.ntats.it) to see videos and images of the wide range of applications of our services such as, for example, urban operations for the removal of graffiti or the cleaning of building facades.

As to the cleaning techniques applied to production processes, we offer unconventional solutions which go beyond traditional washing systems using abrasive elements, chemical solvents and large amounts of water.

Using cryogenics through dry ice pellets, we ensure the perfect and quick removal of dirt, including in hazardous areas, such as electric panels and explosive environments. Sediments are made brittle by thermal shock and then removed thanks to the kinetic energy resulting from the pellet mechanical action.

Last but not least, aeraulic system cleaning and sanitizing is another field of application of our solutions. In the industrial sector, we have installed our patented technology on robots that can now remove any type of dirt - including residues such as grease and sediments in air ducts - and clean heat exchange areas thoroughly (ATU/AHU batteries, conveyors, fan-coils). This results in significant energy savings and, as a consequence, economic savings for the client. Of course, we also implement traditional technologies with robot pipe cleaners and depressors to clean air ducts installed in healthcare facilities, commercial and third-sector premises. At the end of the cleaning operations, the whole aeraulic system is disinfected using

disinfectants certified as medical devices. Test reports, certified by accredited laboratories through sampling with swabs, can also be provided.

The company is **AIISA and NADCA certified**.

The constant search for improvement and the care and respect for the environment that have always been our distinctive features have made us the preferred service provider for many top Italian industrial groups, a reliable and solid partner for public administrations, and an efficient party that can meet the many different requirements of the private sector.

Our goal is to ensure the full satisfaction of those who come to us, guaranteeing the best possible result while keeping intervention times and their invasiveness to a minimum. We work with a view to reducing direct and indirect costs for the client, offering the most suitable innovative solutions to each specific case, and always focusing on using technical and operating methods that are consistent with environmental sustainability.