



WASTE TREATMENT TECHNOLOGIES

EXCELLENCE IN WASTE TREATMENT TECHNOLOGY

Waste Treatment Technologies (WTT) is a renowned and experienced supplier of hightech waste treatment solutions. Founded in 1996, we've been designing, constructing, building and maintaining facilities all over the world. With offices in the Netherlands, Germany and Spain we are able to offer our clients – a significant group of well-known international waste management companies – a comprehensive range of services using leading technologies and products.

Successfully combining the latest mechanical and biological techniques in turnkey projects gives us a unique position in the market. Our facilities vary from sorting stations for domestic and industrial waste to complete installations for recovering reusable materials in combination with the use of biological processes.

We aim to deliver the smartest technology for waste treatment in order to make our customers successful in transforming waste into recyclables and high-quality raw materials or energy. We believe that our waste treatment solutions can make a substantial contribution to the conservation of our worldwide environment.

'WITH OUR CONSTANT PUSH FOR EXCELLENCE AND COLLABORATIVE APPROACH WE DELIVER TURNKEY SOLUTIONS IN MECHANICAL AND BIOLOGICAL TREATMENT'



TAILOR-MADE SOLUTIONS

Our extensive team of experienced professionals has a proven track record in developing and constructing waste treatment projects. Their constant push for excellence and their collaborative approach enables us to deliver facilities custom-made to our clients' requirements and expectations. Our tailor-made and cost-efficient solutions always achieve the highest standards in quality and reliability. Therefore we meet the requirements for the TUV and ISO 9001 certification. We provide our clients with independent advice because we are not active in the role of a manufacturer. That makes us the ideal partner for engineering, procuring, constructing and maintaining turnkey solutions in both mechanical and biological treatment.



'STRONG AND INDEPENDENT WITH A WORLDWIDE NETWORK OF DEDICATED SUPPLIERS AND INDEPENDENT CONTRACTORS'

OUR REFERENCES

WTT is highly experienced and has successfully completed over 110 projects worldwide in all kinds of waste and sizes. Please visit www.wtt.nl for an overview of our references.

OUR VISION FOR THE FUTURE OF WASTE TREATMENT

Pushing boundaries in a dynamic market

The world population is expected to grow to 9.6 billion by 2050. Major economic development in emerging markets will result in increasing pressure on raw materials, food, energy and water. Subsequently, commodity prices and waste streams will rise significantly. Furthermore, there will be intensified governmental attention on the negative impact that the growing waste stream will have on our ecosystem. It's clear that the waste treatment industry is going through a big transition. Recycling, reusing and prevention become more and more important.

GUARANTEE FUTURE SUCCESS

For waste management companies it's vital to keep pace with this rapidly changing situation concerning technological innovations and governmental regulations. In order to guarantee future success you need to know the answers to crucial questions. How fast will technical and biological innovations transform the market? What are the predictions for the development of commodity prices? And how does international legislation change the way we have to operate?

We understand that for individual operators, it's impossible to keep up with all these international developments. That's why we constantly help our clients to stay on top of their game.

CRUCIAL INFORMATION AND ADVICE

To be successful in the waste treatment business means having access to the best information and advice. That's why our team of highly educated and experienced personnel constantly provides our clients with crucial information and advice. Our research & development team actively scans all major developments in commodity prices, technology and international legislation.

This approach gives us a leading role in the innovation process and allows our clients to be successful in waste treatment. Meanwhile, we have gathered an enormous amount of knowledge on biological treatment. With more than 900 tunnels active worldwide, WTT is a very experienced partner indeed. The combination of tailor-made advice and technological power makes us the perfect partner to push boundaries in the dynamic market of waste treatment.



OUR PRODUCTS, YOUR SOLUTION

We are convinced that using the smartest technology for waste treatment can make a positive contribution to the conservation of our environment. Besides this, it also enables our clients to maximize their recovery against lowest costs per ton.

1. MECHANICAL BIOLOGICAL TREATMENT (MBT)

At WTT we believe that integrating mechanical and biological technology in waste treatment facilities is the way forward. The performance of installations from turnkey projects delivered by WTT has been outstanding. Our extensive knowledge and experience with biological treatment gives us a huge advantage over competitors. We know like no other how to determine the mechanical need for combining both techniques. Furthermore the turnkey approach ensures WTT as owner of the complete process technology. Hereby WTT can avoid duplicating expensive processes and suboptimal interfaces between different suppliers of technology.

As a result of our competitive advantage and outstanding performance we are one of the biggest European players in building integrated mechanical biological treatment installations (MBT). Our ability to take responsibly for full turnkey delivery provides our clients with maximal comfort. That means comprehensive performance guarantees fall under WTT's responsibility. WTT has successfully completed many MBT projects, including an 87,500 MSW tonnages per year installation in Southwark, London.

2. SORTING INSTALLATIONS

WTT specializes in designing and constructing the most efficient and sustainable integrated mechanical solutions. Without adequate mechanical treatment, aerobic and anaerobic biological processes will not function. By cooperating with our suppliers throughout the world, we are able to provide solutions at any time and place. No matter what mechanical technology is required. WTT will always select the most suitable equipment for the benefit of our clients.

3. ANAEROBIC DIGESTION

Anaerobic digestion (AD) is an economically and politically preferred treatment method for organic waste streams. WTT can supply two different AD systems to be able to find the optimal solution for each specific situation. These are the Dry AD batch process, where waste is digested in large concrete boxes, and Wet AD systems, where the Pulper System and the Press System are pretreatment options.

4. COMPOSTING AND BIODRYING

WTT's biological tunnel process is individually controlled in order to provide each batch with a tailor-made treatment. WTT's fully automated process allows the operator to set process parameters to adapt different waste categories and seasonal influences. Its modular construction and versatile control software interface allows the same facility to treat organic waste optimally in short a period of time, maximizing processing efficiency and keeping environmental conditions strictly under control.

5. ODOUR REDUCTION SYSTEMS

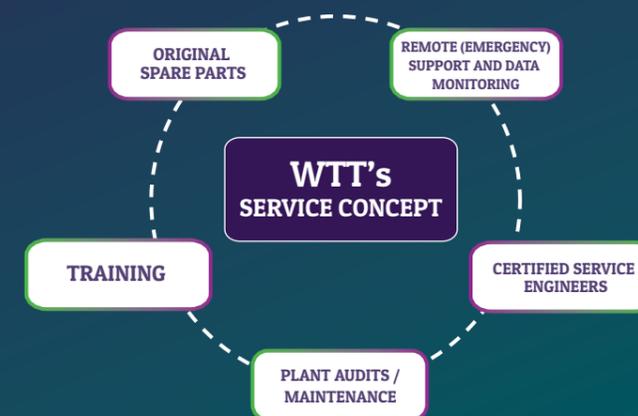
WTT has developed a wide range of odour-reduction systems, including bio filtration and air humidification technology. Our wide experience and practical knowledge of these systems has provided the know-how to guarantee low-level odour output in any installation.



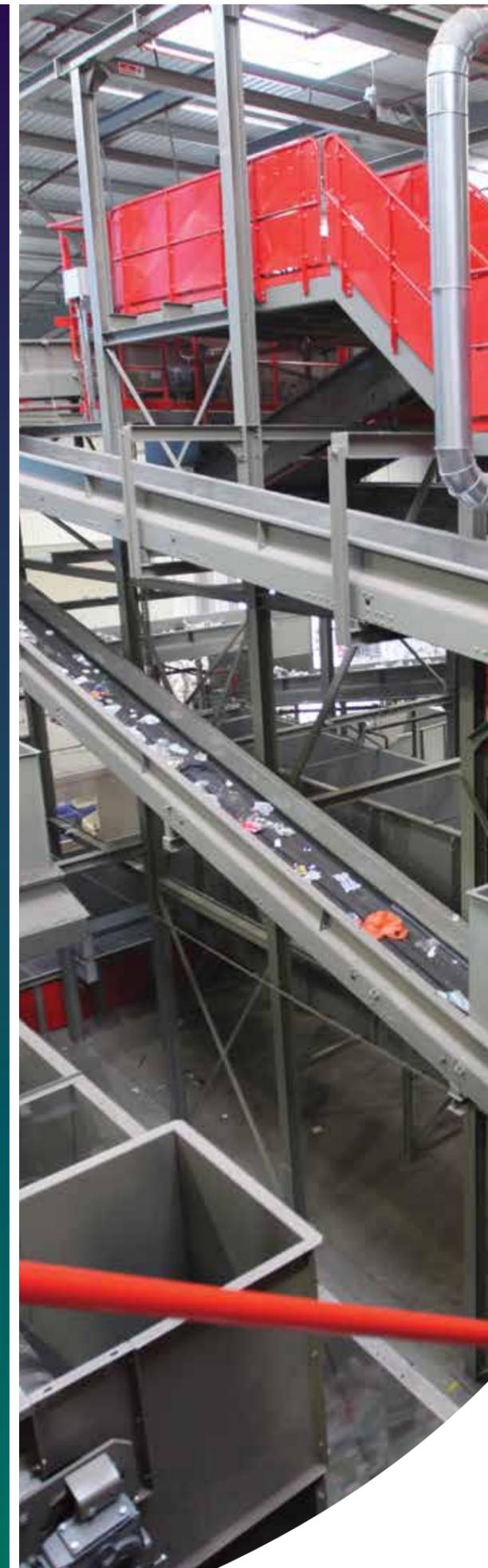
**'WITH OUR METHODS,
CUSTOMERS ARE SUPPORTED
WITH THEIR WASTE TREATMENT
IN THE MOST OPTIMAL WAY'**

AFTER SALES

WTT continues to offer a high standard following the completion of waste treatment facilities, not just from the takeover of the plant, but for as long as our clients want to be assured that its performance conforms to expectations of their business model. We have no complex organizational structure or distribution of tasks. We offer a 'one stop shop' to enable clients to contact WTT during all stages of the project delivery and afterwards for all kinds of issues.



Additional services cover plant audits & maintenance, remote (emergency) support, the deployment of certified service engineers, original spare parts, training, and remote service data monitoring. This approach enables our customers to focus on their core business and receive the desired support proactively.





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YOUR PARTNER IN WASTE RECOVERY AND RECYCLING PROJECTS

We are an internationally orientated company and leave the competition far behind when it comes to technology, know-how and the number of projects realized. We have built facilities all over the world. Please visit www.wtt.nl to see our completed projects.



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