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TES CLOSES DEAL ON 10,000 SQM BATTERY RECYCLING FACILITY WITH EUROPE'S LARGEST SEAPORT

- The deal between TES and the Port of Rotterdam will bolster Europe's capacity to recycle lithium batteries -

01 July 2021 Rotterdam, NL: Today [TES](#), one of the world's largest providers of sustainable technology lifecycle services, has announced it has agreed a deal that secures the future of a 10,000 square metre (approx. 110,000 sq. feet) recycling facility in the [Port Of Rotterdam](#), Europe's largest seaport.

The facility, strategically located adjacent to the waterways of the port of Rotterdam and with an option to extend onto a neighbouring plot that will increase the site to over 40,000 square metres (approx. 430,000 sq. ft), already has a basic waste license to receive, store and forward lithium batteries, to manage electric vehicle batteries and battery production scrap, as well as a license to shred alkaline batteries.

The site extension is planned to be fully operational by late 2022 and will be the first lithium battery recycling plant in the Netherlands, complimenting the two other TES lithium battery recycling facilities in Grenoble (France) and Singapore.

The TES site in Grenoble was one of the first recycling sites to use an inert shredding process that safely crushes lithium batteries and developed a number of key patents for hydrometallurgical processes.

The expertise gained in France, played a key role in TES opening Southeast Asia's first lithium battery recycling facility in Singapore in March 2021. This state-of-the-art facility has the daily capacity to recycle up to 14 tonnes of lithium batteries - the equivalent of 280,000 smartphone batteries.

These existing facilities will support the development of the new, larger scale site in the port of Rotterdam. The combined capacities of the three facilities will make TES one of the largest service providers of lithium battery recycling globally as well as one of the largest generators of commodity materials produced from the battery recycling process.

This deal is part of an ongoing commitment from TES to improve the collection and recycling of portable and industrial batteries in Europe and supports the European Union's goals laid out in the [European Green Deal](#).

It is also a strategic move in preparation for the huge rise in global demand for lithium batteries as car manufacturers increase their electric vehicle outputs - which is predicted to increase 14-fold by 2030 (compared to 2018 levels).

A report from Circular Energy Storage¹ in December 2020 explained that Europe is currently under-capacity for sustainable lithium battery recycling, and that more capacity is needed to meet the generation of that waste by 2030.

¹ <https://circularenergystorage.com/reports>

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According to figures from the European Commission², the EU could account for 17% of the global demand for lithium batteries by 2030, the second highest worldwide.

Thomas Holberg, Global Vice President of Battery Operations at TES commented, “We have a vision to be a global sustainability innovator, and our unwavering ambition to turn the port of Rotterdam site into a state-of-the-art European battery recycling facility is key in delivering that strategy. Once up and running, we will have up to 10,000 tonnes of shredding capacity per year and a subsequent hydrometallurgical process which focuses on the recovery of nickel, cobalt, and lithium as a precursor feedstock for the battery industry.”

In response to rising demands, the European Commission has proposed to modernise EU legislation on batteries as part of its Circular Economy Action Plan³. This includes goals for batteries that are more sustainable throughout their entire life cycle - which is key for the European Green Deal and will contribute to the EU’s zero pollution ambition.

Jean-Christophe Marti, Senior Partner and CEO at Navis Capital Partners, added, “With this investment, TES deepens its commitment to a global network of sustainable battery recycling offerings that addresses the challenges around the lifecycle - while positioning TES as a trusted partner in closing the loop for our customer’s battery supply chain.”

Securing the future of this facility is welcomed by the Port of Rotterdam and is another example of their continued focus on supporting the development of circular industries within the port.

Allard Castelein, CEO at the Port of Rotterdam, commented, “We are working not only towards a net zero CO2 emission port and industry in 2050, but also looking at ways to make the industry more circular. Therefore, besides working on projects regarding for instance hydrogen and carbon capture and storage, it is important to take significant steps to establish circular production processes. The TES project in Rotterdam is exactly that. This could very well become the largest European facility for recycling batteries from electric cars.”

Holberg concludes, “Our mission at TES is to ‘close the loop’ on lithium battery production by encouraging reuse and improving the collection and recycling of the scarce metals and materials they contain. Our commitment to this facility in the Port of Rotterdam is a clear indication that we are choosing to invest in our future now and to increase capacity in the European battery recycling supply chain.”

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Notes to Editors

² https://ec.europa.eu/commission/presscorner/detail/en/fs_20_2359

³ https://ec.europa.eu/environment/strategy/circular-economy-action-plan_en#ecl-inpage-875

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- The European Green Deal sets out goals for 2030 onwards to significantly improve the recycled content of scarce metals like nickel, cobalt and lithium in industrial and electric-vehicle batteries.
- As of 01 January 2027, industrial and electric-vehicle batteries with internal storage will have to declare the content of recycled cobalt, lead, lithium and Nickel contained within.
- From 01 January 2030, these batteries will have to contain minimum levels of recycled content (12% cobalt, 85% lead, 4% lithium and 4% nickel).
- From 01 January 2035, these levels would be further increased (20% cobalt, 10% lithium and 12% nickel).

Fast Facts:

- TES owns and operates [42 facilities worldwide](#) in 21 countries which, in 2020, processed over 108,000 metric tonnes of electronic material with a reuse, recycling and recovery rate of 96.9%.
- In the next 10 years, the battery demand due to electric vehicles will increase 10-fold, up to 2,333 GWh.
- By 2030, 215 to 300 million electric vehicles (EVs) will be on the road. By 2040, this is expected to increase to 900 million.
- Global demand for batteries is set to increase 14-fold by 2030 (compared to 2018 levels), mostly driven by electric transport.
- TES officially took over the assets, employees, the site, and its permit on 15 June 2021 from Battery Recycling Services Netherlands. The recycling site is on a 10,000 sqm property in the Port of Rotterdam and has an extension space of 30,000 sqm.
- TES intends to reinstate the business and will begin plans for a capacity extension on the neighbouring 30,000 sqm plot for a recycling and repurposing centre for lithium batteries.
- In March 2021, [TES opened a multimillion-dollar, state-of-the-art facility in Singapore](#) to cover South East Asia. The facility has the daily capacity to recycle up to 14 tonnes - the equivalent of 280,000 lithium smartphone batteries. A second battery recycling plant is set to go live later in 2021 in Shanghai (China). The site in Port of Rotterdam will increase the capabilities and the capacities in the European region. Video explanation on the recycling process is here: <https://www.tes-amm.com/our-resources/tes-battery-recycling-facility-singapore>
- TES acquired the assets of a European battery recycling company in Grenoble (France) back in 2019. The site, operational since 1993, has been one of the first recycling sites using an inert shredding process to crush lithium batteries and developed a number of key patents for hydrometallurgical refining processes. The know-how gained in France over the years has been key for the latest projects in Singapore and will support the new, larger scale site in the Port of Rotterdam.
- Sustainable batteries are produced with the lowest possible environmental impact, using materials that have been obtained in full respect of social and ecological standards, long lasting and safe and that can be repaired or reused and repurposed.

About TES - <https://www.tes-amm.com/>

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Since our formation in 2005, TES has grown to become a global leader of sustainable technology services and bespoke solutions that help clients manage the commissioning, deployment, and retirement of technology devices and components.

We provide comprehensive services for technology devices throughout their lifecycle—from deployment to decommissioning to disposition—all the way through to recycling and repurposing at end-of-life. This includes innovating new processes to leverage the value locked in assets if they are to be recycled, such as our proprietary lithium battery recycling process, which extracts scarce materials from used batteries at purity rates high enough to be used back in the manufacturing supply chain.

We have made it our mission to make a decade of difference by securely, safely, and sustainably transforming and re-purposing 1 billion kgs of assets by 2030. Our 42 owned facilities across 21 countries offer unmatched service level consistency, consistent commercials, lower logistics costs, local compliance experts in-region, support in local time zones and languages, and a deep understanding of transboundary movement globally.

TES creates outstanding value for our clients, employees, stakeholders, and the global community by leveraging a unique combination of security, value recovery, and environmental expertise. We focus exclusively on eliminating the risks surrounding data security, compliance, and environmental impact, while maximising value recovery for businesses around the world.

About Port of Rotterdam - <https://www.portofrotterdam.com/en>

The aim of the Port of Rotterdam Authority is to strengthen the competitive position of the port of Rotterdam as a logistics hub and a world-class industrial complex in terms of both size and quality. The Port Authority is able and willing to make an impact and so it is focusing on accelerating sustainability in the port, and it is a partner in the digitalisation of the port and logistics chains. The Port Authority's core tasks are the sustainable development, management and operation of the port, the maintenance of the smooth and safe handling of shipping and supporting the future-resilience of the port of Rotterdam.

About Navis Capital Partners Limited - <https://www.naviscapital.com/>

Founded in 1998 Navis manages approximately US\$ 5 billion in private equity capital and focuses on investments primarily in and around Asia. Navis contributes both capital and management expertise to a limited number of well-positioned companies with the objective of directing strategic, operational, and financial improvements.

Navis has one of the largest private equity professional teams in Asia, comprising 58 individuals, supported by 30 administrative staff, in six offices across the region. Navis has a long and proven track record in pan-Asian private equity, with over 80 control transactions across the Asian region completed since its establishment.