

PRESS RELEASE

Blackwood announces the successful production start of the NTBC commercial black pellet plant in Thailand

AMSTERDAM/BANGKOK, 12 November 2024 – Blackwood Technology BV (“Blackwood”), the leading torrefaction and carbonization technology company, is pleased to announce the successful start of production of the first commercial *FlashTor*[®] black pellet plant in Lampang Province, Thailand.

The plant is owned and operated by NT Biomass Products Company Limited (“NTBC”), a 100% subsidiary of TTCL Public Company Limited (“TTCL”). When fully ramped-up, it will produce 75,000 tonnes of black pellets made from renewable biomass per year, to replace fossil coal in power generation and steel production. The plant will primarily use corn straw as biomass feedstock and can also process woody biomass.

Mr. Maarten Herrebrugh, CEO of Blackwood, said: “Our Thai demonstration plant built in 2022 proved that the *FlashTor*[®] technology is robust, efficient and safe to operate. The NTBC plant undeniably demonstrates that it is also scalable and flexible. The plant is capable of handling different feedstocks, as well as producing a wide range of product specifications. This positions the *FlashTor*[®] technology as the proven solution to produce black pellets at industrial scale and to serve the needs of the different biocarbon market segments.”

Mr. Chamnarn Atsanatam, Vice-President Energy Business Unit of TTCL commented: “Black pellets offer a great business opportunity, not only for TTCL, but for all the stakeholders in the black pellet supply chain, from feedstock suppliers to product offtakers. Using corn residues as a source of raw material, provides local farmers with an extra source of income from selling their residues. For offtakers, black pellets allow them to replace fossil coal with a green alternative while using their existing infrastructure.”

The NTBC plant produces regular black pellets aimed at replacing thermal coal in power stations and industrial boilers, as well as more carbonized SuperBlack[®] pellets, which are used as replacement of metallurgical coal in steel mills and other metal production plants.

***FlashTor*[®] technology**

The *FlashTor*[®] technology is a thermal pre-treatment technology which facilitates the large-scale replacement of fossil coal by renewable biomass. The *FlashTor*[®] technology can be used for torrefaction as well as carbonization of biomass. Torrefaction improves the fuel and handling characteristics of biomass and reduces the costs of the biomass-to-energy supply chain. Torrefied biomass is a carbon-neutral, high-quality solid biofuel, which can replace thermal coal in power stations, industrial boilers and gasification plants, using the existing plant infrastructure. At a higher carbonization degree, the resulting SuperBlack[®] pellets can replace pci coal in blast furnaces and cokes as a reducing agent in metallurgical processes and silica production. The *FlashTor*[®] technology is instrumental in unlocking the full potential of biomass for the purposes of decarbonizing power and heat generation, steel and other metal production, as well as for the production of bio-based fuels and chemicals.

About Blackwood Technology BV

Blackwood is a Dutch cleantech company, focusing on the torrefaction and carbonization of biomass. Blackwood's leading and proven *FlashTor*® technology turns forestry and agricultural residues into a high-grade solid biofuel or biocarbon. Blackwood provides engineering services, sells *FlashTor*® systems and licenses its patented *FlashTor*® technology to developers of torrefaction and biocarbon projects. Together with its partner TTCL, the company operates a testing facility and Demo plant in Thailand. The company is working with strategic partners to roll-out its proprietary technology world-wide.

About TTCL Public Company Ltd

TTCL is an integrated Thai Engineering, Procurement and Construction (EPC) and investment company. TTCL was formed in 1985 and the company is now listed on the Thailand stock exchange. Traditionally, TTCL's EPC business focused on petrochemical, chemical and fertilizer plants as well as power generation projects. In recent years, TTCL shifted part of its activities onto renewable energy and environmental projects. In 2017, TTCL started investing into biomass renewable energy projects and is currently setting-up a supply-chain of black pellets. In 2020 TTCL became a majority shareholder in Blackwood.

Any inquiries regarding either black pellet sales or the *FlashTor*® technology can be directed to:

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