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Episode #4

Abaca fiber-reinforced boat set to sail

The Industrial Technology Development Institute (DOST-ITDI) developed an abaca fiber-reinforced composite material. It is a green composite material from abaca fiber mixed with the polymeric resin used in producing parts/accessories for the different modes of transportation.



In developing the technology, DOST-ITDI utilized vacuum-assisted resin transfer molding (VARTM) or resin infusion process, an innovative technique in fabricating abaca fiber-reinforced composites in more complex structures for different transport modes such as tricycle roof, fuselage for drones, and boat body.

Composite materials developed for boat bodies using VARTM offered lighter, more saltwater decomposition-proof, corrosion-resistant, and lower heat conductivity.

In prior years, abaca fiber-reinforced tricycle roofing was rolled out as “Tryk ni Juan” for the tricycle association of Taguig City and is now used to construct tricycle roof and sidecar. Still being explored are other applications of the abaca fiber composite material that may be useful in different modes of local transportation like buses, jeepneys, and

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even UAV drone frames and possibly create growth opportunities and suffice industry needs.

Know more about Abaca Fiber-Reinforced Boats in DOST-ITDI's #TekNegoShow Special Edition, an off-the-cuff online business talk show on technology, which will air narratives and insights of technology generators, business people, and the consuming public on how they perceive a featured technology.

#TekNegoShow Special Edition can be viewed through ITDI's Facebook account www.facebook.com/ITDIDOSTUpdates with a weekly Thursday afternoon show date. (DDGotis\ITDI S&T Media Service).

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