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ELON MUSK DESERVES AN HONORARY MATERIAL SCIENCE DEGREE...

On building the 'starship' out of 301 stainless steel: "The thing that's counterintuitive about the stainless steel is, it's obviously cheap, it's obviously fast—but it's not obviously the lightest. But it *is* actually the lightest. If you look at the properties of a high-quality stainless steel, the thing that isn't obvious is that at cryogenic temperatures [which matters for rockets], the strength is boosted by 50 percent." Popular Mechanics, 2019.

His brand is also manufacturing batteries with "the highest energy density of any EV battery, as well as the lowest cost per kilowatt-hour." By 2017, the Tesla Gigafactory "already produced more batteries than any other factory in the world." Maxim Integrated, 2018.

Of course these battery enhancements are crucial to Tesla's electric car and truck business. Musk said, "People think of Tesla as an eclectic car company but the whole purpose of Tesla was to accelerate the advent of sustainable energy." Inverse.com, 2016.

And from a CNBC article about 'Building-Integrated Photovoltaics:' "The goal is to have solar roofs that look better than a normal roof, generate electricity, last longer, have better insulation and have a lower installed cost than the price of a roof plus the price of electricity.

MSE IS AT THE HEART OF ALL THESE ADVANCEMENTS FOR JUST ONE OF THE WORLD'S LEADING COMPANIES.

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