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Local

Entrepreneur says invention cuts cycle emissions

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BRIGHTON, Mich. -

A [Michigan](#) entrepreneur says moves by [China](#) and [India](#) to toughen motorcycle emission standards give him a chance at making it big with a fuel injection system that helps meet those stricter pollution rules.

[Kyle Schwulst](#), an electrical engineer who lives in Whitmore Lake, founded [ElectroJet Inc.](#) in 2003. Its product is an electronically controlled fuel-injection system that he says reduces carbon monoxide emissions on small motorcycles by up to 85 percent.

China builds 24 million motorcycles a year, while India makes 10 million. New clean air standards that apply to small-engine motorcycles sold after 2009 in those countries give him hope for a huge market for his product.

Companies from both countries have shipped motorcycles to him for research and testing, and manufacturers also signed letters of intent to buy Schwulst's system, the [Detroit Free Press](#) reported Sunday.

The system will cost manufacturers \$50, replacing carburetors that now cost about \$35, he said. The motorcycles generally retail for about \$600 in China and India.

"There are large volumes, and there's a current need," he said.

Schwulst studied at [Kettering University](#) in Flint and has worked at [Ford Motor Co.](#), [Visteon Corp.](#) and [Arctic Cat Inc.](#)

He said he first planned to use his system on lawn mowers, all-terrain vehicles and other small-engine vehicles.

But when the [Environmental Protection Agency](#) delayed emission standards in the [U.S.](#), he looked for new customers. His research led him to motorcycles in India and China.

ElectroJet has raised \$2 million since its founding and expects to close on an additional \$12.5 million of investment capital by the end of the year, he said.

He said ElectroJet projects sales of \$500 million in its first year of sales in 2009.

"Next year is the year," Schwulst said.

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