

Product Category

Micro-mobility vehicle production technology

Problem

Micro-mobility small and midsize manufacturers have small teams and limited budgets to produce a design predictably and efficiently.

Solution

We are producing micro-mobility vehicle production technology that reduces time-to-market.

Product Demo

The product consists of an MCAD tool and a low-cost manufacturing installation. Both are under development. We don't have a demo yet.

Market Size (TAM/SAM)

TAM: Smart factory market size is \$47B — Grand View Research.

SAM: 5% of TAM — \$2.3B

SOM (Serviceable obtainable market): 5% of 20% of SAM — \$23M

Business Model

IP licensing, similar to ARM Holdings

We charge an up-front licensing fee and a per produced-unit royalty, for the use of our production technology.

Competition

Siemens Smart Manufacturing is the best integrated solution for reducing time-to-market in micro-mobility vehicle production. It includes Siemens NX (an MCAD tool) and assembly-line based manufacturing tools.

Our MCAD tool (The Specifier) is an alternative to Siemens NX with proprietary IP.

Our Unit-construction-hub is a low-cost non assembly-line based production technology, also with proprietary IP.

Go-to-market Plan

Identify 10 existing micro-mobility vehicle manufacturers, provide them with a time-to-market reduction and scale-up the number of manufacturers.

Commercial traction

None yet.

The Team

Me.

Experienced software engineer and industrial designer.

Intel (1993-1999) senior software engineer (13 issued U.S. patents)

Co-author MPEG-J ISO standard.

Rohit Agarwal 09/08/2026

The Financials

Average micro-mobility vehicle production cost: \$1000 / unit.

We intend to charge a 5% royalty per produced unit or \$50 / unit.

The Ask

\$1,000,000 to fund a small product team for the next 12 months.

Web-links

<https://www.khitchdee.net>

<https://www.linkedin.com/im/rohit-agarwal-khitchdee>