Digiforming — Digital Transformation of Sheet Metal Forming

The Problem:
In sheet metal forming, defects like splits and wrinkling cause quality issues and delays, with one defect occurring every 200 parts. Traditionally, detecting these relies on time-consuming, error-prone human checks. If defects are missed, they can result in costly recalls and serious reputational damage.

Our Solution:
Digiforming is a press line automation system that proactively prevents defects in deep drawing process, improves line efficiency, ensures smooth and risk-free operations for manufacturers.

Our Technology:
Our system uses AI to monitor variations in the deep drawing process, analyzing camera-captured images with each press stroke. It adjusts press parameters automatically when needed, ensuring continuous production flow.

Target Markets:
We focus on industries where quality and efficiency are critical, including automotive and white goods manufacturers. The Total Addressable Market for our defect-prevention solution exceeds €400 million, growing to over €1 billion as we introduce additional features.

Competitive Landscape:
German press giant Schuler and Selmatec offer process monitoring solutions. Digiforming goes a step further by not only monitoring the process more precisely but also proactively adjusting press parameters in real time, preventing defects before they occur. Our system combines early detection, real-time adjustments, and fast implementation. The solution delivers ROI in under a year, saving approximately €120K annually per press line.

Progress & Validation:
After refining our solution with two manufacturers, we are validating it with a major OEM in the automotive sector. The successful live POC confirmed our solution improves production quality and efficiency. Our system is fully scalable, with quick installation and training, enabling fast deployment.

Future Plans:
We are committed to continuous innovation, with plans to add features like Smart Press Protection and Double Sheet Detection to further reduce operational risks.

Growth Projections:
We anticipate rapid sales growth over the next 5 years as we expand into the U.S. and European markets. By leveraging sales opportunities through our customers' international partners, we aim to reach profitability within 2 years and target 30 sales annually by year 5.

Our Vision:
We believe Digiforming will become the global standard for deep drawing processes, helping manufacturers achieve zero-defect production, reduce costs and save time.
We are committed to making this vision a reality.