Leveraging the Power of Manufacturing Data to Perfect Your Production Process

Willem Sundblad, CEO of Oden Technologies

Abstract

Every plastics manufacturer dreams about having perfect transparency into their processes to continuously improve production efficiency and quality. Using data is the key to optimizing recipes, quality, and capacity to ensure factories stay competitive.

The problem is that data tends to live and die in the equipment, without being recorded or utilized anywhere. Acquisition requires months of hard-wiring your factory into PCs on top of burdensome installation costs. The resulting data is raw, inconsistent, and hard to translate into insights.

The latest technological advancements we take for granted in the rest of our lives —rising processing power, deceasing computing cost, abundant wireless connectivity, and limitless cloud storage—is finally available to make your existing machines truly digital. Now you can collect and analyze data from all your existing machines and sensors simply by attaching small transmitters to serial ports. Monitor all the metrics you value, together, in real time. Increase the efficiency and value of your existing extrusion lines. No lengthy IT projects, hardwired networks, or new equipment required.

Willem Sundblad will give an update on the current Industry 4.0 landscape, where the market is heading, and what concrete solutions looks like for plastics manufacturers in addition to giving a demo of how machine learning algorithms can and are being used throughout the industry.

Recent Publications

1. Wire Journal International: Interwire 2017 – Industry 4.0 Panel & Session. *Liberating Data from Existing Equipment, and Making Sense of It!* by Willem Sundblad. 8 May 2017.
2. Plastics Technology: Molding 2017. 6 April 2017.
3. Google Cloud Next ’17. *IoT and Cloud for Industrial Applications*. 10 March 2017.
4. PlasticsToday: MD&M/PLASTEC East 2017 – Smart Manufacturing Session. *Maximizing Your Competitiveness with Big Data & Machine Control* by Willem Sundblad. 14 May 2017.

Biography

Willem Sundblad is the founder and CEO of Oden Technologies, an Industrial Internet of Things company offering wireless and cloud-based tools to manufacturers to analyze and optimize production. Willem studied Industrial Engineering specialized in production at Lund University and Ecole Centrale Paris. Oden has raised venture capital from prominent investors like EQT Ventures, Saul Klein and Tesla's previous CPO & Head of supply chain Peter Carlsson.