



Digital Transformation from Design to Production Lines

About CPS

Our customers say we enable value to data, process and, believe it or not, existing ERP, CRM, MES, PLM and other LoB platforms. Digitally enabling analytics, workflow, cloud product design and manufacturing 4.0 is uncharted territory for an IT services company. We love it!

—Mark Orzen, CEO, CPS

MAGNET Welcomes CPS Digital Innovation Platform! Check out the benefits below:

Some Results



20-50% reduction in inventory management cost through smart inventory and automated ordering



Production yield increase 10+% and manual assembly related quality issues reduced by 60%



Decreased New Product Development (NPD) by 95% at Cooper Tire

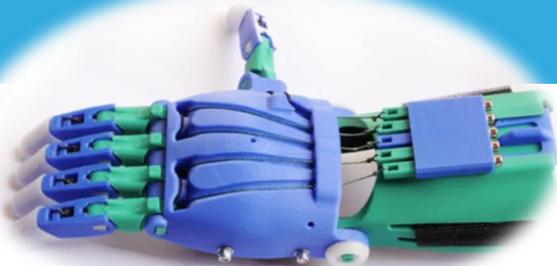
Introducing the Digital Innovation Platform

The CPS Digital Innovation Platform (DIP) recently showcased at MxD Chicago is officially coming to Ohio at the Future Factories Innovation conference. The Digital Innovation Platform delivers digitalized product design and Industry 4.0 in one fell swoop by bringing digital manufacturing to life through a functioning product design platform, cloud based and integrated ERP (LoB) connector, 3D printing, and production line that makes a real-world product. CPS is a partner with MAGNET, a leading advanced manufacturing and innovation advocacy team.

Imagine: Changing the life of someone with the gift of a customized hand?

3D printed prosthetics are needed around the world every day! On the reverse side of this document you'll see why! The hand is a very complex mechanism and one size does not fit all. The personalization challenge is human, requests and design changes complex, while manufacturing and assembly processes inconsistent. Older platforms such as files, servers, and disconnected data and collaboration streams make this personalization challenging and time consuming, until now.

The CPS Digital Innovation Platform has been carefully created to digitally streamline this entire enablement process and gives the gift of a customized hand to those in need. Imagine the impact we can make on your process if we can make a dent in this prosthetic hand urgency? We need more MAGNETs!!!

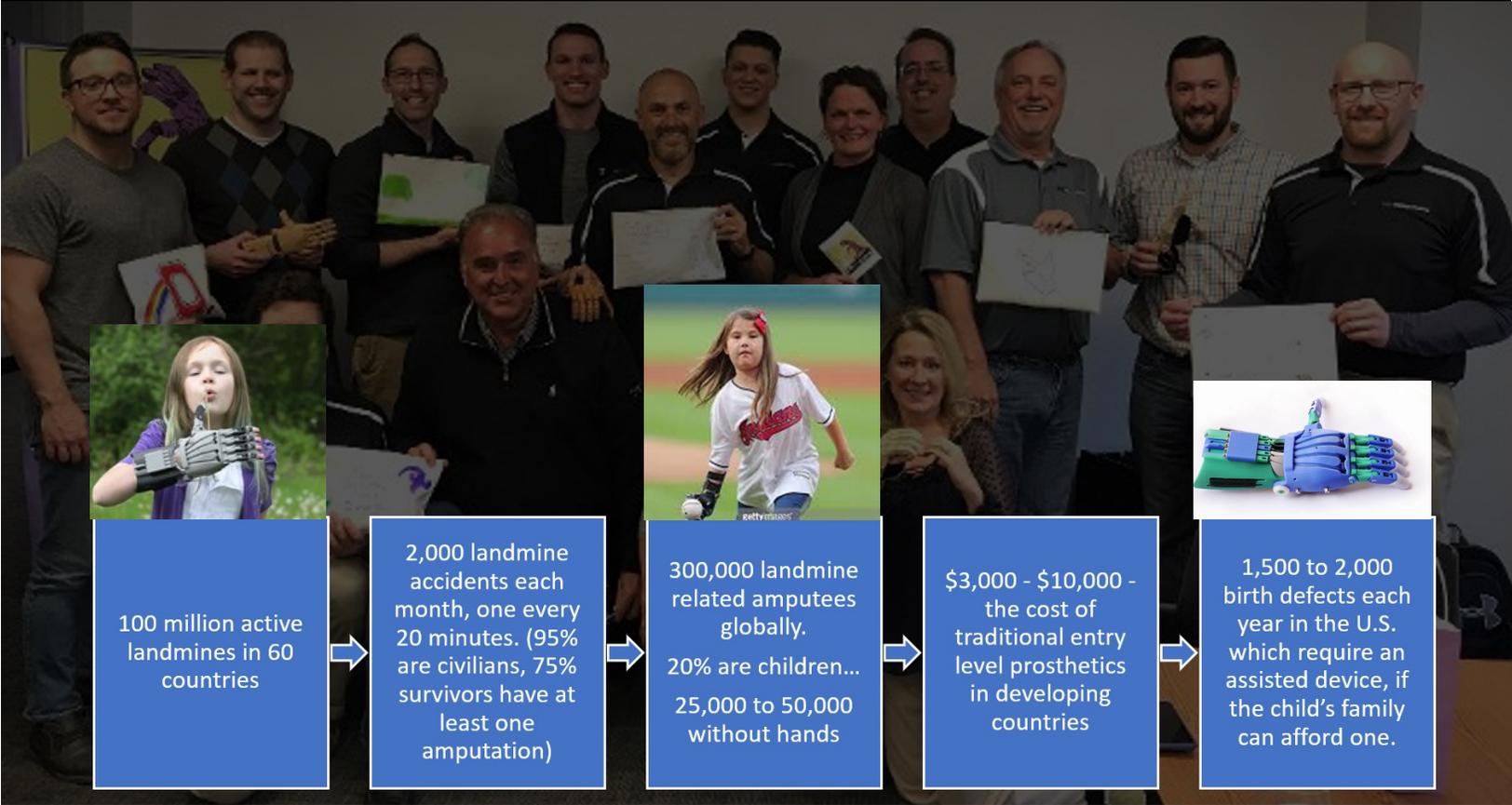


Clear Process Solutions

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100 million active landmines in 60 countries

2,000 landmine accidents each month, one every 20 minutes. (95% are civilians, 75% survivors have at least one amputation)

300,000 landmine related amputees globally.
20% are children...
25,000 to 50,000 without hands

\$3,000 - \$10,000 - the cost of traditional entry level prosthetics in developing countries

1,500 to 2,000 birth defects each year in the U.S. which require an assisted device, if the child's family can afford one.

Digital Innovation Platform Highlights

The Digital Innovation Platform being launched in late 2019 at MAGNET / Ohio Manufacturing Extension Partnership is about digital excellence, crafted for **small** to large manufacturing firms with diverse ERP platforms.

The Digital Innovation Platform is packaged to deliver manufacturing digitization, apps, ERP or LoB integration, and analytics pre-built in one platform. For rapid new product innovation, simply add on our cloud product design platform with integrated enterprise workflow.

“The implementation for an entire shop floor operation is fast turnaround without disruption to day to day operations.”

*Chris Winters, CPS Digital Innovation Platform Expert,
Journeyman Machinist, ISO Certified Lead Auditor,
Digital Manufacturing Solutions Engineer*

Wireless, Wi-Fi and The Manufacturing Floor

5G, like all cellular access, is appropriate if you need macro area coverage and high-speed handoffs. But it's not ideal for most enterprise applications, where you generally don't need these capabilities. From a performance standpoint, Wi-Fi6 and 5G are roughly equal on most metrics, including throughput, latency, reliability, and connection density. Although the promise of 5G represents some improvements, we don't think many customers would be willing to trade Wi-Fi for 5G today, and or without major infrastructure investments. **Call us for your shop floor wireless assessment.**

What's Next?

- Arrange Your Digital Process Roadmap Assessment : 2- 4 hours
- Proof of Concept (POC) : 2-4 weeks and limited costs
- Reference call or visits upon request

About Clear Process Solutions

We are experts in Digital Process Transformation, focused on workflow, data analytics, and business process optimization. We simplify complex processes, data, and integrations. Our field of play is focused around ERP, PLM, MES & CRM environments.