

News Impacting the Manufacturing World in Washington State and Beyond.

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Monthly Newsletter

August 2018



What's "smart manufacturing?"

When we talk about smart manufacturing, we're talking about using the data that you may already be collecting. If you use equipment sensors, for example, that measure vibration, temperature, speed or pressure on your plant floor, then you may already be on the way to smart manufacturing - and that's a good thing because to be competitive in the next five years, manufacturers will really need to embrace Smart Manufacturing.

Then, you'll need to ensure all of that collected data works for you. It's impossible for human beings to make sense of "big data"—there's just too much of it. But data analytics software can help you put all of your data to work, by recognizing patterns and predicting events.

Smart manufacturing means fixing problems in real time, too. If conditions

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after countless defective products have been made.

Here's the bottom line: Smart manufacturing gives you superior control over all your processes.

It sounds risky. Technology is always changing!

Right—that's exactly why you should build a solid foundation for the adoption of future technologies now. As technologies multiply and become much more advanced and more commonplace, you'll be well-positioned to take advantage of all the benefits that they'll offer you and your customers.

I'm just not sure if we're ready. Can you help?

Yes! Our consultants can conduct a readiness assessment at no cost to your company. We'll use an assessment tool to give you a score that determines how close you are to being able to successfully implement smart manufacturing, and let you know the next steps you need to take in order to reach your goals.

Benefits of Smart Manufacturing

- > Increased Operational Efficiency
- > Preventative Maintenance
- > Quality Improvements
- > Agile Manufacturing
- > Continuous Improvement

CESMII

The Clean Energy Smart Manufacturing Innovation Institute (CESMII) is a regional program that works through public-private investment to improve the precision, performance and efficiency of US manufacturing.

CESMII's Northwest region is administered by the Washington Manufacturing Extension Partnership (IMPACTWASHINGTON).

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How digital manufacturing can escape 'pilot purgatory'

The global race for innovation leadership in digital manufacturing¹ is picking up pace: two-thirds of industrial companies worldwide say that digitizing the production value chain is one of their highest priorities (Exhibit 1). That's according to our latest research in the area, which we explore in a new report, Digital manufacturing—escaping pilot purgatory. [Read more here.](#)

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WHY A CESMII AFFINITY GROUP

A CESMII Affinity Group is a group of members from the CESMII membership base that has an interest in a particular manufacturing sector or problem. These groups can be formed within a single region, may span several regions, or may encompass the entire Institute depending on the scope of the group. An Affinity Group is charged with examining a



Making a Business Case for Additive Manufacturing

Whether you're talking to your board of directors or your line manager, switching gears out of engineering mode to make a business case can be tough, especially when it comes to justifying a major capital expense.

It takes more than great specs to persuade senior executives to invest in new equipment, and with the rapidly changing pace of manufacturing, simple cost-per-part estimates don't always illustrate the full benefits of acquiring new production technology.

3D printing or—when it's referred to as a production technology—additive manufacturing is a great case in point. [Read more here.](#)



CESMII Announces First RFP Roadmap Project Selection

CESMII announces its selection of ten RFP projects as a result of its first Request for Proposals (RFP). The ten selected roadmap projects, which range

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their unique abilities, capabilities, and interests to engage the SM Platform™ as needed or desired. The group will formulate the proper approach to the manufacturing sector or problem for the application of SM technologies. During the CESMII proposal process, this group will develop the plan for the SM Testbed to be executed by the participating members and managed by a RMC. [Get involved and read more here.](#)



Featured Client Success Story

Company Profile

[Strasser Woodenworks](#) manufactures bathroom cabinets and accessories. The company is located in Woodinville, Washington and has 48 employees.

Situation

[Strasser](#) needed to make some productivity improvements and reached out to Impact Washington for assistance. A number of manual operations were affecting the company's profitability, and Impact Washington suggested a [Lean training](#) and improvement project. The president of [Strasser Woodenworks](#) has known Impact Washington's account executive for 17 years, benefiting from consistent updates on manufacturing

approximately \$10 million in addition to providing an additional \$6 million in cost share to advance Smart Manufacturing (SM) technologies. Cost Share is a requisite for all projects.

The RFP request was made to members of the manufacturing community to respond with their ideas for roadmap projects.

Roadmap projects areas of interest included:

- Cross-cutting R&D and Reusability (Enabling Technologies)
- Process and Controls (Enabling Technologies)
- Sensors (Enabling Technologies)
- Data Modeling for Machine Learning and Data-Centric Analytics (Enabling Technologies)
- SM Platform Infrastructure
- Workforce Development

Read more about the [projects](#) selected.



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the Lean project.

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[Lean Enterprise Certificate Program \(Spanish\)](#) – Yakima, WA – Sept. 6th – Dec. 6th, 2018

[Principios de Lean Manufacturing con Simulación en Vivo \(Lean 101\)](#) – Yakima, WA - September 6th, 2018

[Lean Enterprise Certificate Program](#) – Yakima, WA – Sept. 7th – Dec. 7th, 2018,

[Principles of Lean Manufacturing with Live Simulation \(Lean 101\)](#) – Yakima WA - September 7th, 2018

[Lean Enterprise Certificate Program](#) – Kalama, WA – October 29th, 2018 – February 25th, 2019

[Lean Enterprise Certificate Program](#) – Ridgefield, WA – October 30th, 2018 – February 26th, 2019

[PNVA Produce Safety Rule Grower Training](#) – Kennewick, WA – November 13th, 2018



What types of grants are available? Would my business qualify for a grant? Find out more [HERE](#).

Washington's economy, and it's our mission to support and energize our local industry. The Made in Washington program is a free service to the community that certifies, promotes, and connects Washington State manufacturers. Check out our [directory of Made in Washington businesses](#), or get certified and listed today! The program is at **no cost** to join and includes such benefits as listing in our on-line guide and use of the Made in Washington logo on your website. For more information or to sign up, visit our [Made in Washington page](#) or [contact us today](#).



Submissions are welcomed!
Please submit entries or report errors to our newsletter editor.

What We've Accomplished for Washington State Manufacturing

In the past five years we've helped over 400 manufacturers Resulting in a statewide impact of:



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Our mailing address is:

3303 Monte Villa Parkway, Suite 340
Bothell, WA 98021

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