

Smart Pumps Matter

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Michael Michaud is the executive director of the Hydraulic Institute (HI), the largest association of pump original equipment manufacturers and supplier companies in North America. A Certified Association Executive (CAE) with 30 years experience in Association Management, he held various leadership roles at the American Society of Mechanical Engineers (ASME) before joining HI in 2015.



Peter Gaydon is the Deputy Executive Director at the Hydraulic Institute, where he has technical responsibility for publications, training, and certification programs, as well as technical aspects of regulatory affairs. Mr. Gaydon has been with the Hydraulic Institute for the last ten years, but additionally has 20 years of experience in the pump industry and obtained his B.S. Degree in Mechanical Engineering at the University of Alfred.



Matthew Derner is the Manager of Education, Training and Energy Efficiency Programs. He holds a leading role in promoting pump system related programs that deliver energy efficiency in commercial and industrial settings. Additionally, he is responsible for managing Pump Systems Matter (PSM), HI's training subsidiary, and for the overall promotion and growth of the Hydraulic Institute's portfolio of training and certification programs that focus on pump system optimization, and efficiency. Matthew has a strong background in global sales of pumps, drives and various rotating equipment in both the manufacturing and distribution segments, with an emphasis on energy efficiency, total cost of ownership, and Life Cycle Cost.

BACKGROUND

In this episode of BUILDING HEROES, we bring on three experts from the Hydraulic Institute to discuss the importance of pumping systems, why pumps matter in our built environment, and savings that can be achieved through the use of smart pumping technologies. Smart pumps—often termed a 'self-sensing' or 'sensorless'—integrate variable speed controls to optimize operation based on system requirements. Smart pumps reduce operational pitfalls and enhance efficiency through streamlined control. *Pumping systems are essential to the daily operation of most commercial buildings and industrial facilities. With new energy standards for clean-water pumps taking effect in 2020 and a new Energy Rating label program from the Hydraulic Institute, now is the time to evaluate the efficiency of commercial and industrial pumps, and circulators.*

WHERE TO LEARN MORE

To learn more about what was discussed in this episode of the Building HEROes Podcast, please use these additional resources.

- <http://www.pumps.org>
- [Pumps Systems Matter: Training @ Hydraulic Institute](#)
- [Hydraulic Institute Standards](#)
- [Pump System Assessment Professional \(PSAP\) certificate](#)
- [A World Without Pumps](#)
- [More Powerful Energy Resources from BetterBricks](#)

IMPORTANT TIMESTAMPS

2m45s: Introduction

6m00s: What does the HI Team do?

10m00s: Why pump systems matter

14m39s: Pump systems in buildings

21m42s: The workforce development of building operators

23m54s: The HI Team looking into the future

26m04s: Important links / closing comments



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