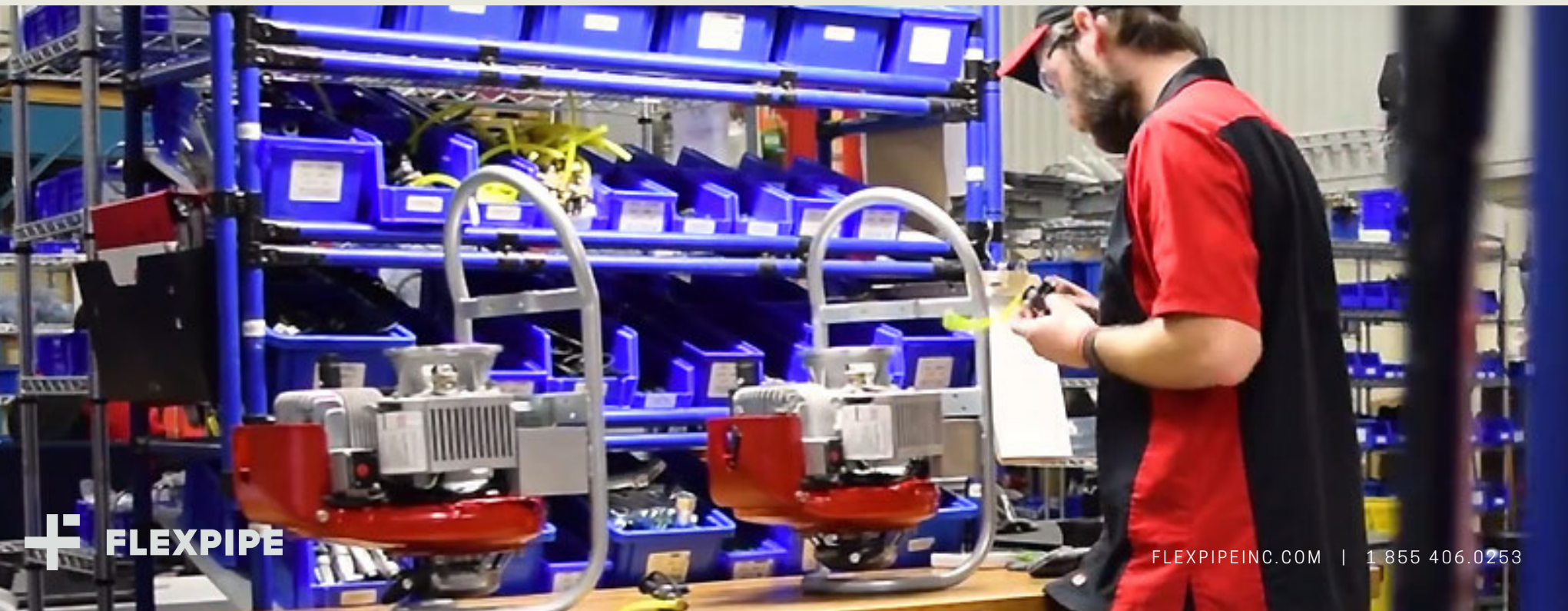


CASE STUDY

HOW THE INTEGRATION OF 5S IMPROVED PRODUCTION ORGANIZATION AT WATERAX



FLEXPipe

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Waterax manufactures portable fire pumps and water-handling equipment that are purpose-built to stand up to demanding environments.

Established in 1898, Waterax has offices in Montreal and Vancouver, and it was its Montreal's facility that was recently faced with the challenge of **integrating 5S methods in its building practices**.

Read on to learn **how the modular system improved the facility's ergonomics** all the while saving money in manufacturing practices.

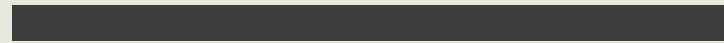


CASE STUDY BY

REMI BOQUIEN

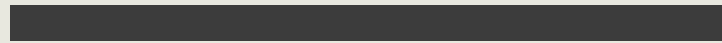
PROJECT MANAGER
NORTH SHORE OF QUEBEC AND CITY OF MONTREAL

MORE



ERGONOMICS

MORE



PRODUCTION EFFICIENCY



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UPGRADE THE FACILITY TO INCREASE EFFICIENCY

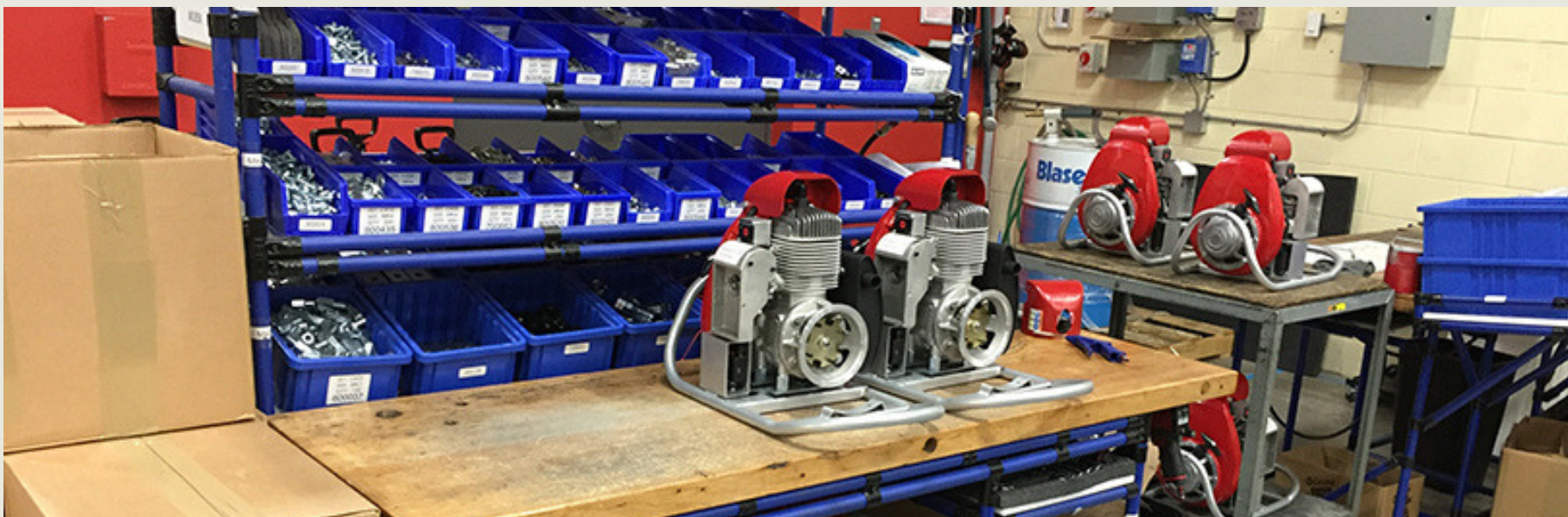
In 2012, Waterax's Montreal facility was planning on implementing a new floor layout due to an impending move. Following some **lean manufacturing training sessions**, the company realized that a **new material handling system** would make implementing the **new floor layout much more straightforward**.

IMPROVING ERGONOMICS AND OPTIMIZING PRODUCTION WITH MODULAR EQUIPMENT

This **conveyor** was designed and built by the production engineer.

The primary objective was to **reduce the risk** of employees getting hurt, but it also regulated the **production rhythm**.





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CUSTOM-MADE AND ERGONOMIC WORKSTATION

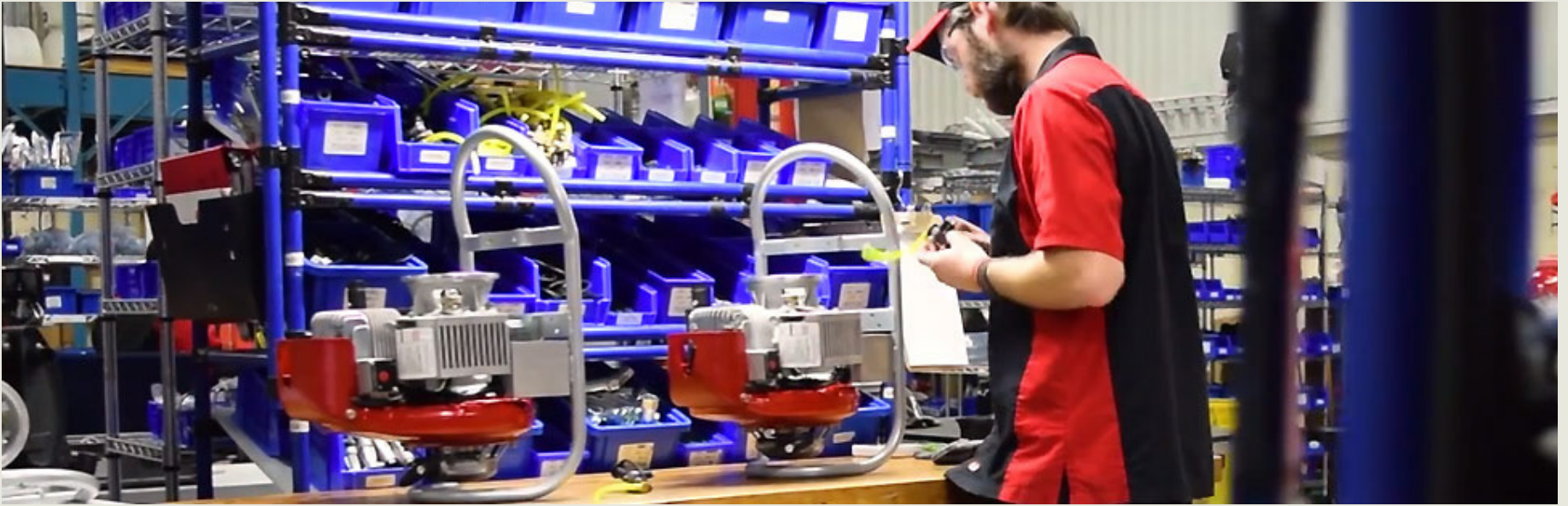
This workstation was custom-built by Waterax employees. This station is where performance tests are carried out. The previous model was too low and was a constant source of potential injuries to workers.

NEATLY ORGANIZED FOR MORE EFFICIENT PRODUCTION

Ultimately, Waterax realized that the modular structures had significantly contributed to having all **items organized in a neater fashion** on the production floor.

As the modular system was the cornerstone of this transformation, Waterax intends to continue improving every aspect of its manufacturing process.





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WHERE FUNCTIONALITY GOES HAND IN HAND WITH EFFICIENCY

Both the facility's **ergonomics and organization** have been significantly improved, in addition to regulating **production flow**. It's safe to say that the modular system provides invaluable support Waterax with regards to manufacturing its water pumps!

MAKE IT WORK FOR YOU

NOW, IMAGINE WHAT THE FLEXPipe MODULAR SYSTEM CAN DO FOR YOU!



CASE STUDY BY

REMI BOQUIEN

PROJECT MANAGER
NORTH SHORE OF QUEBEC AND CITY OF MONTREAL

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