

# Pulp and Paper Safety Association Innovation Submission



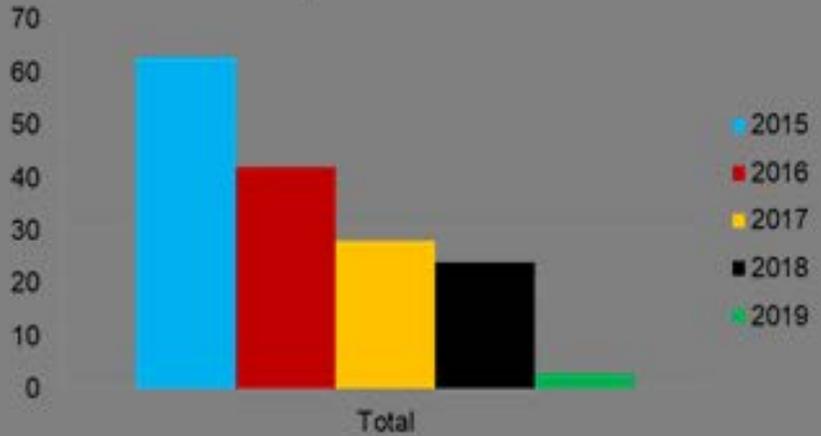
# Transformation Mill - Richelieu



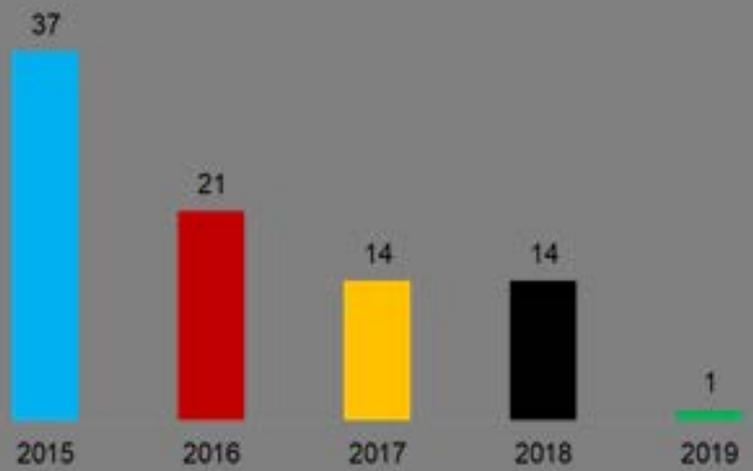
# Health and Safety at the Mill



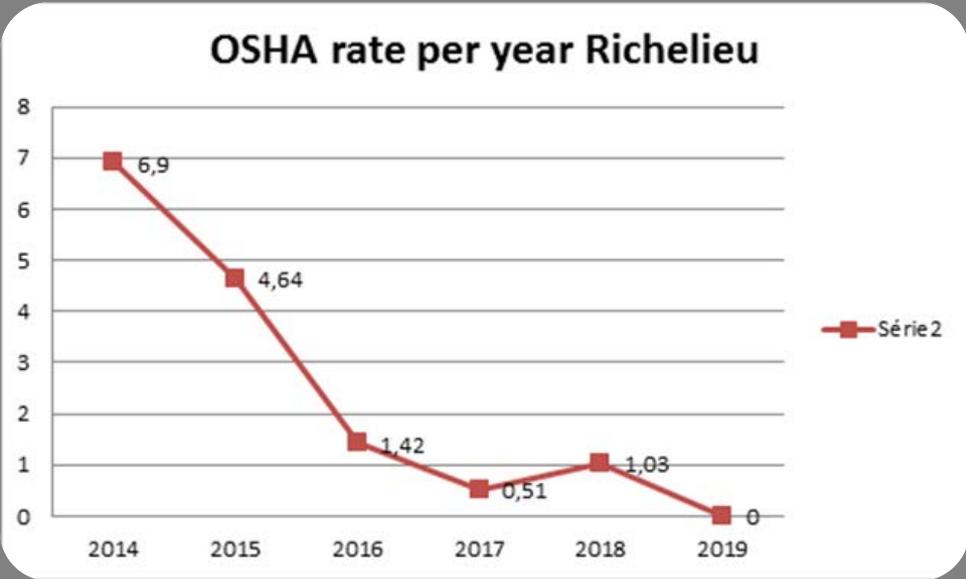
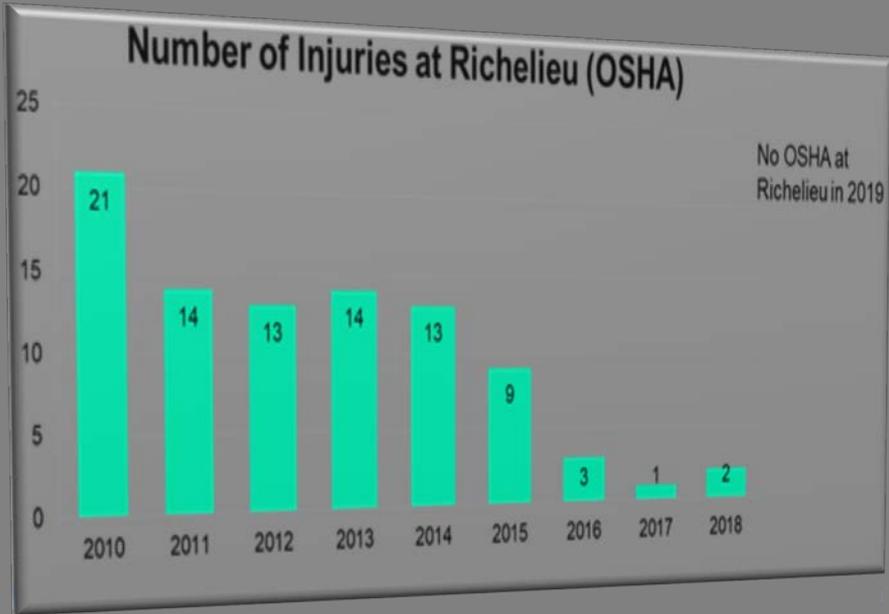
### Minor Injuries RICHELIEU



### Richelieu – First Aids

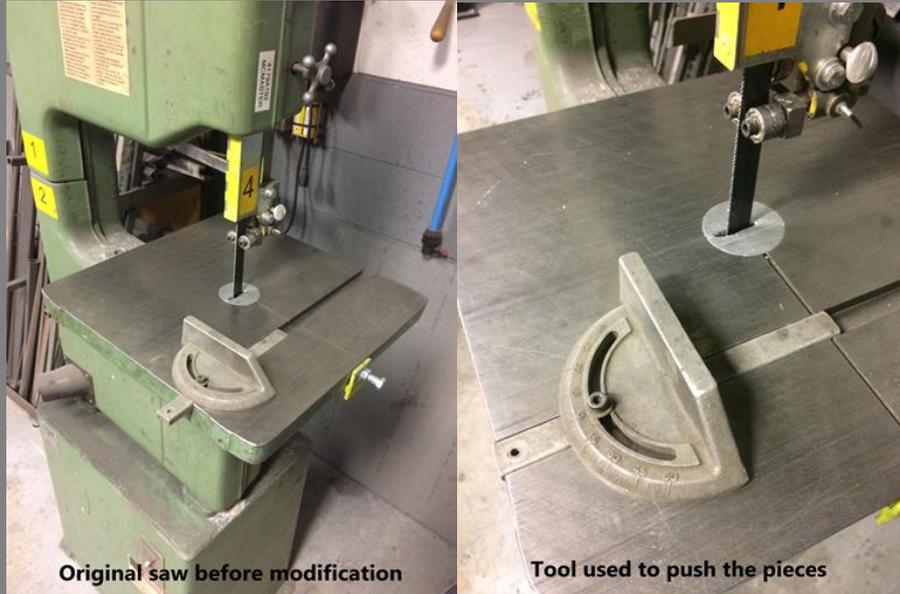


# Health and Safety at the Mill





## Sliding table for a vertical band saw



Original saw before modification

Tool used to push the pieces

BEFORE



Saw after adding sliding table

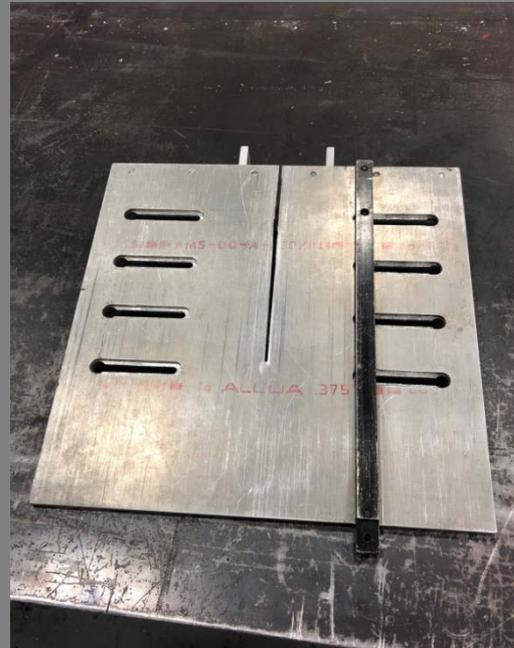
Saw with the sliding table

AFTER

# Innovation



- The vertical band saw with a fixed table has no automatic feed mechanism, meaning that a work piece could not be affixed to the table and employees had to hold work pieces in place. While the saw was safe to use because of all the guards, the goal was to prevent all hand injuries. The innovation, imagined and designed in house, involved building a custom sliding table with locking pliers to hold work pieces in place as hand guards. The same piece of equipment now features additional guards to ensure work is performed safely. Users like the vertical band saw even more now because it's safer and more efficient.



# The Innovation



## Risk:

- A risk analysis of the fixed table before the modifications were made produced a score of 50.4. That score plummeted to 18.0 after the fixed table was modified, a significant improvement that has reduced the risks employees are exposed to.
- Before the innovation, there were risks of cutting your hands, the pieces didn't hold in place well and were slippery. Now, the pieces are securely held, the protectors provide distance for the hands from the saw, and the guide provides the ability and stability to make a perfect cut in a secure manner.





## IMPACTS

- There are many positive impacts of this innovation. Firstly, the maintenance department now has a tool that permits them to work more securely, and since it was 100% created internally, there is a proud sentiment! Secondly, this innovation is easily adaptable in other mills that use the same vertical band saw. In summary, other workers can benefit from this innovation to work more securely.
- Employee involvement in this project was essential and shows that our employees are engaged and dedicated to improving their workplace safety.
- Total project cost is estimated at +/- \$1,000 CAD for materials and labor.

# Meet the Innovators



Roland Denis:  
*Maintenance  
Superintendent*

Francis Maranda:  
*Mechanic*

Yannick Ferron:  
*Machinist*

# Innovation in action





THANK YOU!!