

A worker in a teal shirt is working on a large engine component in a factory setting. The engine is mounted on a yellow and red stand. The background shows a complex industrial environment with various pipes, cables, and machinery.

# i-50

Digital Twin for  
Manual Processes

**Confidential**

## Select Clients



**HONDA**



*Tim Hortons*

## Our Backers



ALCHEMIST ACCELERATOR



HUSTLE FUND

SWING  
VENTURES

*industrious*  
VENTURES



National Research Council  
**ARC-CMRC**  
Canada

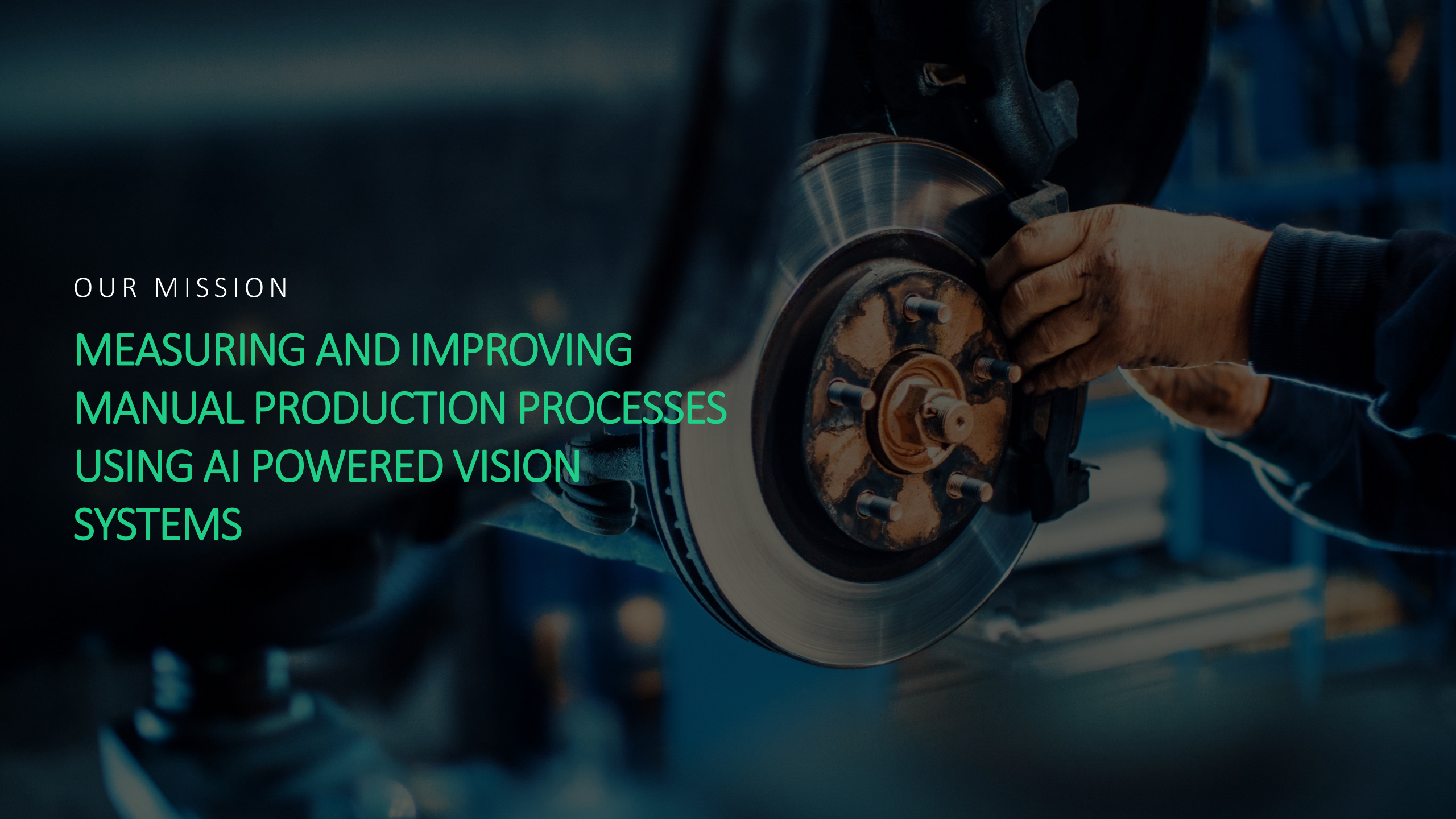


Natural Sciences and  
Engineering Research  
Council of Canada

Canada





A close-up photograph of a person's hands working on a car's brake system. The person is wearing a dark blue long-sleeved shirt. The brake disc is visible, and the person is adjusting a component of the brake assembly. The background is a blurred industrial setting with blue lighting.

OUR MISSION

MEASURING AND IMPROVING  
MANUAL PRODUCTION PROCESSES  
USING AI POWERED VISION  
SYSTEMS



# 70% OF MANUFACTURING TASKS ARE MANUAL

Humans account for



of the  
variation

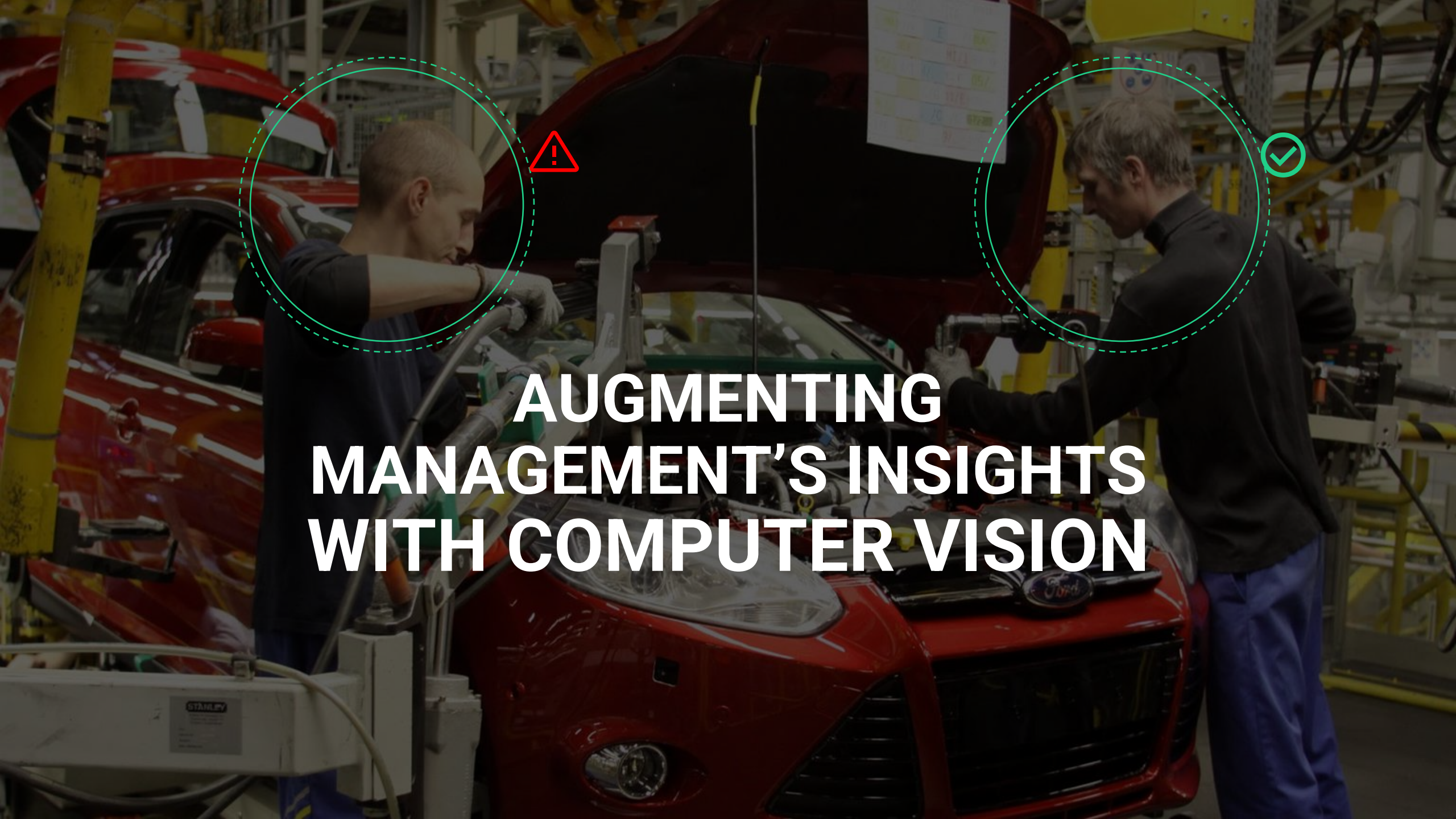
Humans contribute to



of the  
defects

>\$6 Trillion Dollars Lost Per Year





# AUGMENTING MANAGEMENT'S INSIGHTS WITH COMPUTER VISION



AK  
13

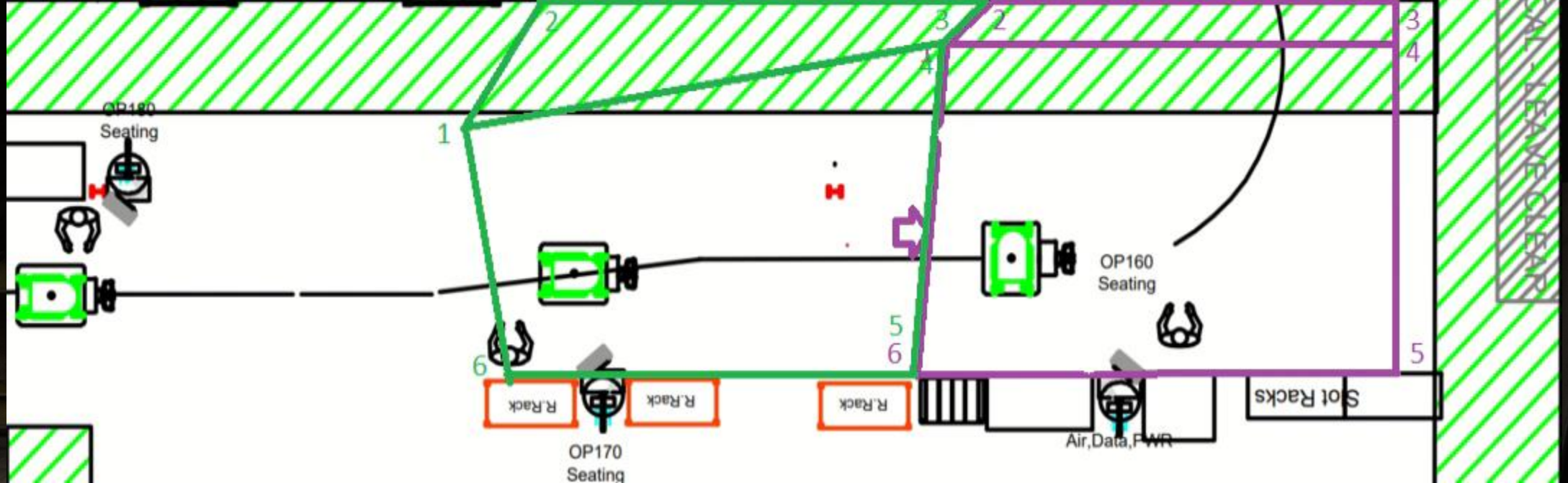
(147, 100)



(692)











Crane Loaded -1  
Ladle Loaded -1



Wire Feeder Down



Per



### Line 160 Summary

AVERAGE NO. CHAIRS IN WIP

1.27

AVERAGE NO. CHAIRS IN WAITING

0.26

AVERAGE NO. PEOPLE IN WIP

1.04

DATE AND TIME CONTROLS



CUSTOM

From

May 24th

To

May 24th



Time Selection



UPDATE

### Line 170 Summary

1 of 4

AVERAGE NO. CHAIRS IN WIP

1.11

AVERAGE NO. CHAIRS IN WAITING

1.25

AVERAGE NO. PEOPLE IN WIP

1.05

DATE AND TIME CONTROLS



CUSTOM

From

May 24th

To

May 24th

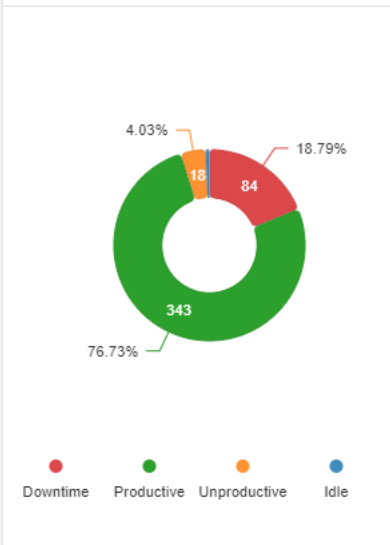


Time Selection

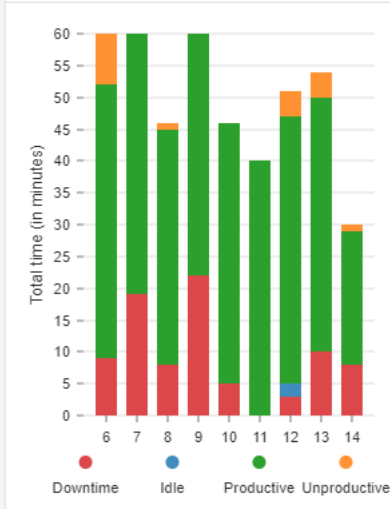


UPDATE

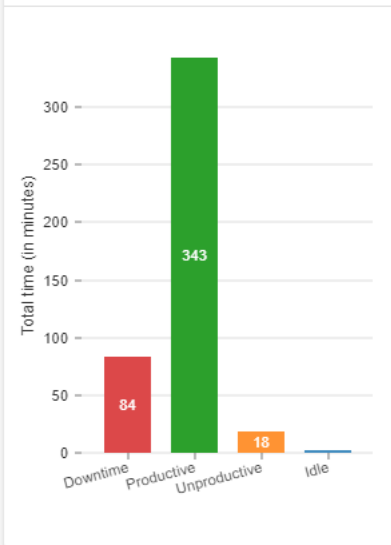
#### PRODUCTIVE VS UNPRODUCTIVE TIME



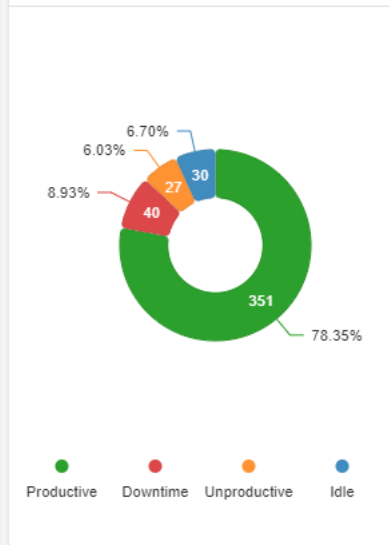
#### PRODUCTIVE VS UNPRODUCTIVE TIME (HOURLY)



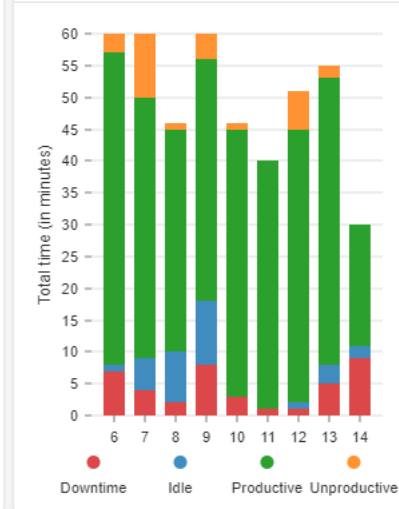
#### PRODUCTIVE VS UNPRODUCTIVE TIME



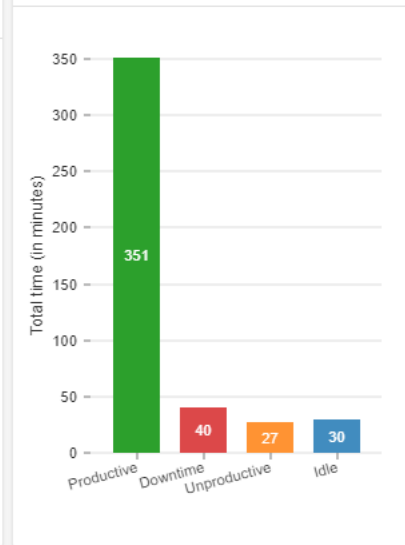
#### PRODUCTIVE VS UNPRODUCTIVE TIME



#### PRODUCTIVE VS UNPRODUCTIVE TIME (HOURLY)



#### PRODUCTIVE VS UNPRODUCTIVE TIME



Last Observation on 2021-05-25 9:00:00 AM GMT-07:00

Last Observation on 2021-05-25 9:00:00 AM GMT-07:00



# VALUE



**Improved  
Compliance**



**Improved  
Quality & Safety**



**Improved  
Production Flow**





# i-50

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