



PROJECT

WHAT IS A ROBOT?

DATE

2016-2017

CLIENT

MZ. MACK



PROJECT

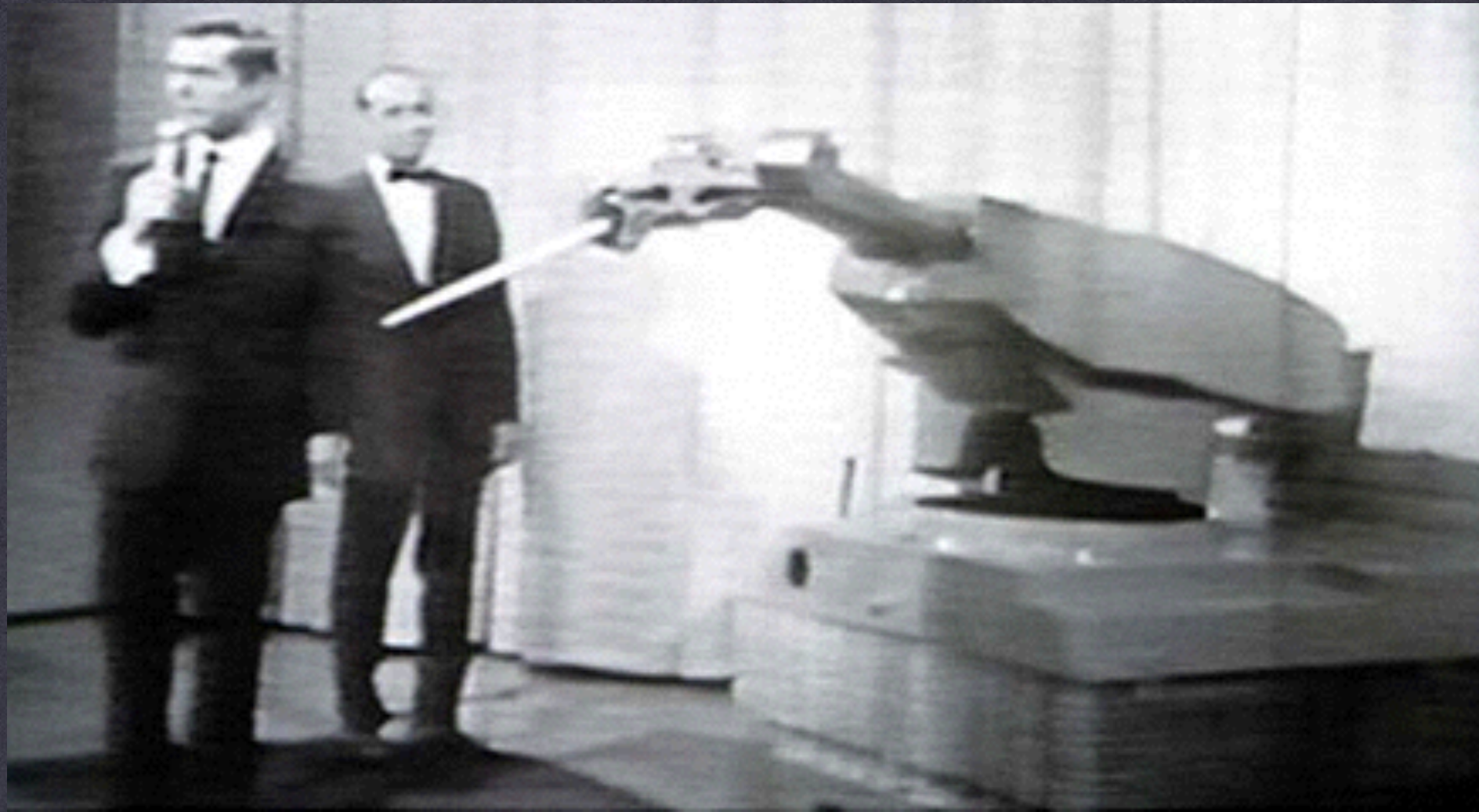
WHAT IS TECHNOLOGY? 1922 VS. 2022

DATE

DATE

CLIENT

NAME



**“I CAN’T DEFINE A ROBOT, I
JUST KNOW WHEN I SEE ONE.”**

JOSEPH ENGLEBERGER, THE “FATHER OF ROBOTICS”

[HTTP://WWW.ROBOTICS.ORG/JOSEPH-ENGELBERGER/UNIMATE.CFM](http://www.robotics.org/joseph-engelberger/unimate.cfm)

THE ROBOTIC INDUSTRIES ASSOCIATION (RIA) DEFINES A ROBOT AS WHAT?



R2D2 Robot by kokopelli1330 (2008) <https://www.flickr.com/photos/kokopelli1330/2479443967/>
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**A ROBOT IS
“A REPROGRAMMABLE,
MULTIFUNCTIONAL
MANIPULATOR DESIGNED TO
MOVE MATERIALS, PARTS,
TOOLS, OR SPECIALIZED DEVICES
THROUGH VARIABLE
PROGRAMMED MOTIONS FOR
THE PERFORMANCE OF A
VARIETY OF TASKS”.**

SO WHAT DOES THAT MEAN?

- * **BE PROGRAMMABLE-**
INSTRUCTIONS ARE CHANGED BY AN OPERATOR
- * **BE AUTOMATIC-**
ABLE TO WORK WITHOUT A PERSON CONTROLLING IT
- * **BE A MULTI-USE MACHINE-**
ABLE TO DO DIFFERENT JOBS
- * **SENSE ITS SURROUNDINGS-**
COLLECTS INFORMATION ABOUT ITS ENVIRONMENT

IS A GAS PUMP A ROBOT?

IS IT PROGRAMMABLE?

IS IT AUTOMATIC?

IS IT MULTI-USE?

DOES IT SENSE SURROUNDINGS?



IS A BLENDER A ROBOT?

IS IT PROGRAMMABLE?

IS IT AUTOMATIC?

IS IT MULTI-USE?

DOES IT SENSE SURROUNDINGS?



IS A LIGHT SWITCH A ROBOT?

IS IT PROGRAMMABLE?

IS IT AUTOMATIC?

IS IT MULTI-USE?

DOES IT SENSE SURROUNDINGS?



Light Switch by sdobie (2012) <https://www.flickr.com/photos/sdobie/8936430669/>
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IS A WASHING MACHINE A ROBOT?

IS IT PROGRAMMABLE?

IS IT AUTOMATIC?

IS IT MULTI-USE?

DOES IT SENSE SURROUNDINGS?



Beko washing machine by markhillary (2008) <https://www.flickr.com/photos/markhillary/2473522040/>
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**WHAT ARE SOME PLACES
ROBOTIC TECHNOLOGY IS USED?**

**WHAT ARE SOME USES FOR
ROBOTS?**

GOALS OF ROBOTIC CLASS



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WRITE THE DIRECTIONS TO MAKE A PEANUT BUTTER AND GRAPE JELLY SANDWICH