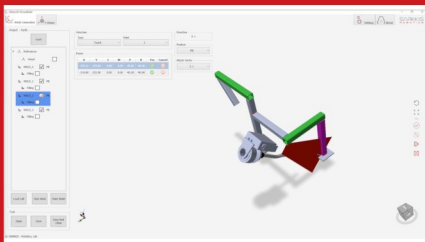




# MetroID PrimeWELD

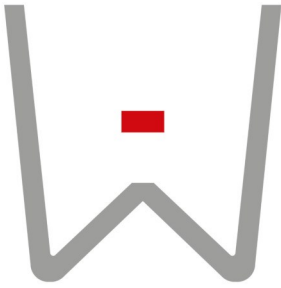
## ROBOT WELDING



## AUTOMATIC PROGRAMMING

# PrimeWELD

**SARKKIS**  
ROBOTICS



# Metroid PrimeWELD

Powering welding robots

Automatic Programming

*A welding robot can't be trained to weld and then evolve as a welder would. It has to be taught by an expert <sup>(1)</sup>... with precision... multiple testing prior to actual production... repeated procedure for each new first unit..... and it doesn't indentify obstacles either, nor adapts - it crashes and stops...*

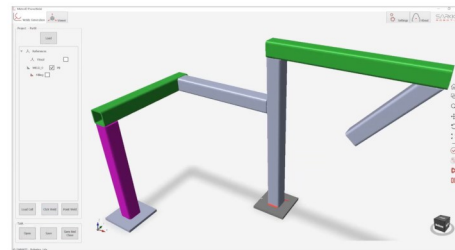
**FOR THE SAKE OF PRODUCTIVITY AND INVESTMENT, FAST AND EFFECTIVE PROGRAMMING IS AS CRITICAL... IT IS DOWNTIME <sup>(1)</sup>!**

**Metroid PrimeWELD** - automatic robot programming for generic welded assemblies.

It uploads and computes CAD format files (STEP, IFC, IGES...) and swiftly outputs robot code including anti-collision path planning and welding process parametrization. PLUS, it allows machine control, automatic generation&edit of welding seams and provides on-time adaptative correction of the welding path, from integrated active inputs (laser, touch...), to cope with assembly geometric deviations.

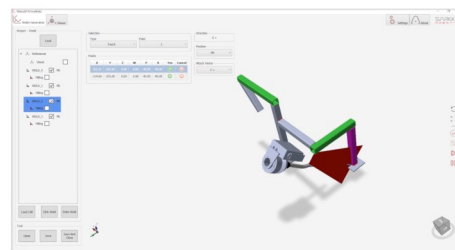
<sup>(1)</sup> reference to online programming, more common (teach pendant);

## KEY FEATURES:



- > CAD PARSING (STEP, IFC,...)
- > AUTOMATIC WELDING GEN
- > WELDING EDIT
- > ANTI-COLLISION PLANNING
- > PATH PLAN CORRECTION
- > NONSPECIALIZED OPERATOR

- > WELDING PROCESS (CONFIG)
- > MULTI-RUN WELDING
- > SENSING INPUT (laser, touch)
- > MAJOR ROBOT BRANDS
- > WLD: POINT, LINEAR,WEAVING
- > WLD: INTERMITTENT



- > HMI (in-shop & desk)
- > 3D SIMULATION
- > FAST PROGRAMMING
- > CUSTOM LAYOUT(NEW/RETROFIT)
- > SELECTIVE WORK SOLUTION