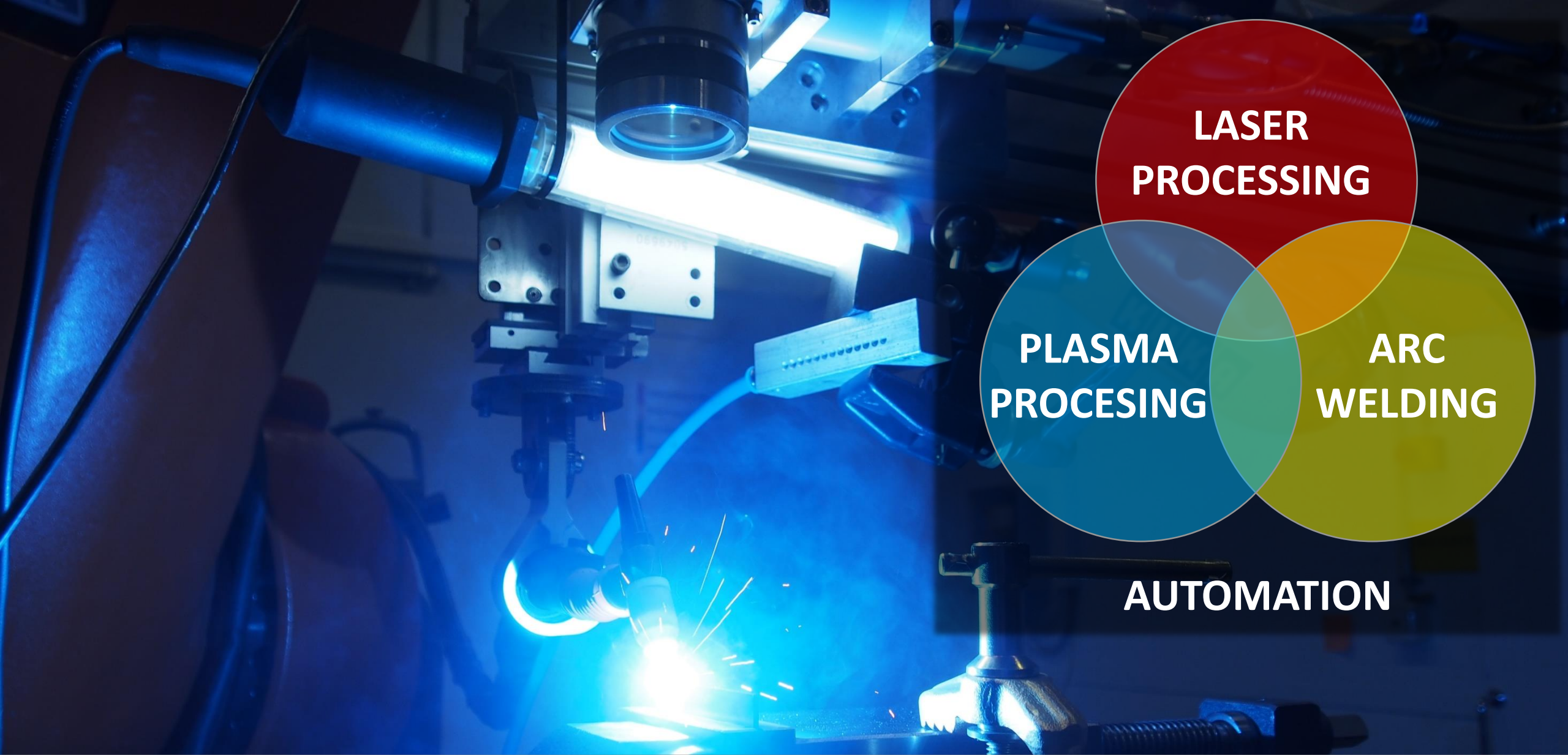




Automatic Refurbishing and Welding of Cathodes

BOLIDEN

Vesa Rinne – Managing Director – Ionix Oy



**LASER
PROCESSING**

**PLASMA
PROCESING**

**ARC
WELDING**

AUTOMATION



IONIX - TAILORED SOLUTIONS



PRELIMINARY STUDY

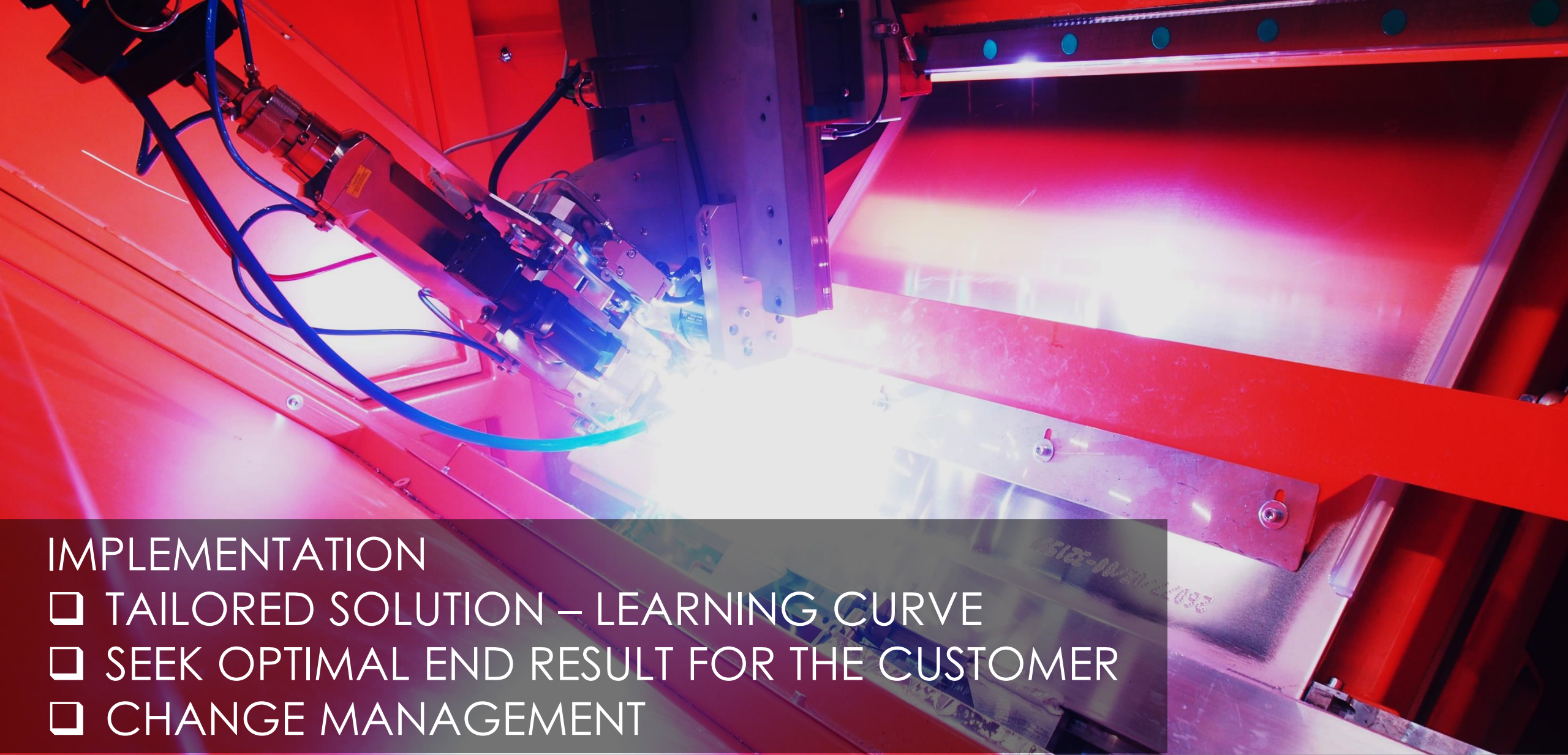
□ FROM IDEAS TO REQUIREMENTS

□ PROCESS TESTS

□ CONCEPT DESIGN & PROJECT PLAN



CASE: BOLIDEN KOKKOLA



IMPLEMENTATION

- ❑ TAILORED SOLUTION – LEARNING CURVE
- ❑ SEEK OPTIMAL END RESULT FOR THE CUSTOMER
- ❑ CHANGE MANAGEMENT



CASE: BOLIDEN KOKKOLA

