Graduation Assignment:Measurement System for Image Intensifier Tubes

https://www.icdrachten.nl/vacatures/graduation-assignmentmeasurement-system-for-image-intensifier-tubes/

Bedrijf: Photonis
Locatie: Roden
Opleidingsniveau: HBO
Periode: nader te bepalen
Stage: Ja

Introduction
Photonis is a world leader in the Night Vision Image Intensifier Tubes industry. The market of this high-technology
challenges Photonis continuously to develop new, smart products and production processes in order to maintain the
position as a market leader.

Summary
Photonis has it's peak interest in automation and utilizing intelligent computed robotics for the benefit of relieving
ergonomic strain on our production team, reducing variation & increasing yield and efficiency. Throughout the
production of the image intensifier tubes, quality inspection plays a prominent role to produce products that meet
Photonis' high quality standards. Doing so, we ensure that our clients only get the best quality products and have the
highest advantage using state-of-the-art technology.

Research goal
Development of an industrial grade measurement system for our image intensifier tubes.

Within this assignment you
will analyze the existing inspection procedures and continue building upon a more extensive version of the existing
measurement system which is already used in production. This contains, controlling a DAQ to actuate pneumatic
devices, read-out a variety of sensors including industrial grade optics. Extending the existing GUI and computer vision
algorithms (written in Python).
At the end of the graduation period, Photonis wants to transfer the extended version of our measurement system to
production. You will qualify the measurement system according to a detailed statistical report and work together with
one of our computer vision engineers (who will be your supervisor).

Contact
To apply for a graduation internship at our plant in Roden (the Netherlands), please contact us through our website:
https://www.photonis.com/careers/open-application
Or send our HR department an email:
hrm@nl.photonis.com