

**Team:** Milky Way Solutions (MWS)

**Project Name:** *Ion Chamber Calibration Device (“CC” for Chamber Calibrator)*

**Project Client:** *Dr. Hans Sonke Jans – Cross Cancer Institute, Dept. of Medical Physics*

**Brief description of project:** Nuclear medicine offers imaging and treatment methods for cancer patients. Patient dosages are measured using “Dose Calibrators,” but those must also be calibrated via standards laboratories. The CC would offer an alternative to standards laboratories, providing clinicians with real-time sample data, and facilitating the administration of safe, and precise dosages.