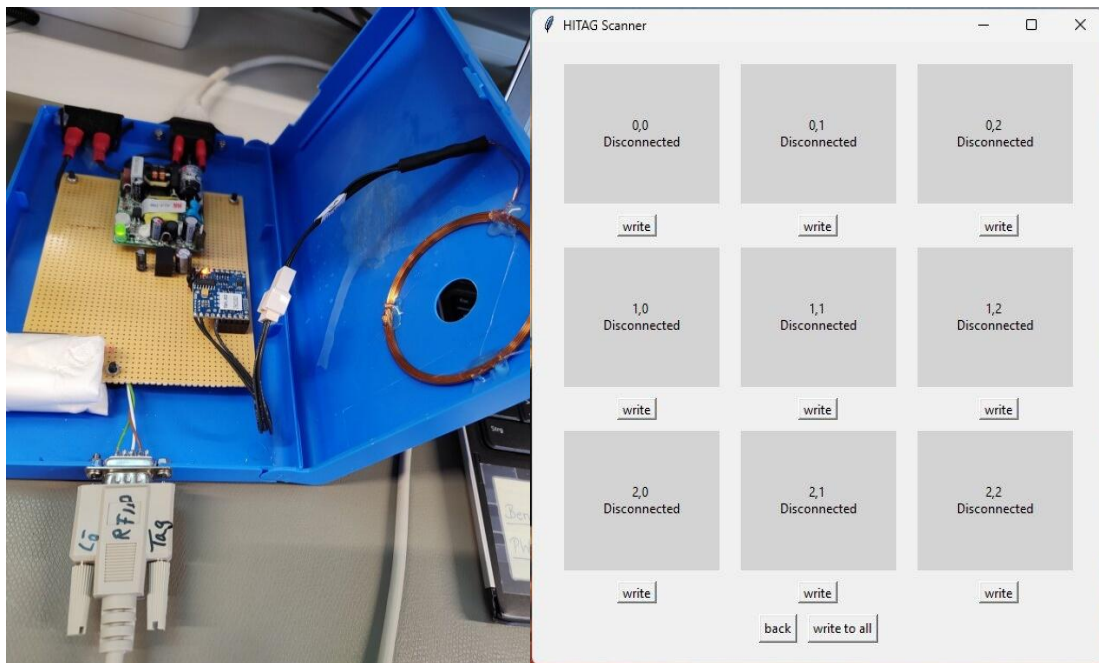


RFID Gig for Medical Laser Manufacturer

In this project, Oxeltech developed an RFID Gig and GUI for programming multiple medical HITAG using a single antenna.

- Conducted research and development (R&D) to create the RFID Gig and GUI.
- Implemented two-way communication between the microcontroller and the GUI screen for data exchange.
- Developed a robust HITAG data structure and conducted a detailed review of NXP RFID IC and module specifications.
- Designed and developed a user-friendly GUI for easy programming of medical HITAG.



Technologies Used:

- MCU: ESP32 for embedded processing.
- RFID Module: RC522 for RFID communication.
- GUI Framework: Tkinter and PyQt for developing the graphical user interface.