The analysis of housekeeping telemetry data from a satellite is key in order to monitor the health of the spacecraft. Housekeeping telemetry compression to transmit this data to the ground has many advantages such as bandwidth saving or improvement of the speed of interaction with the satellite.

For this reason, ESA has developed a robust, efficient, adaptive method for compressing and decompressing satellite housekeeping packets, fast enough to be used on real time data stream, which does not require a-priori knowledge of the system (POCKET+, EP17705815.3).

Your challenge is to find the application with the highest potential to reach the market among the following fields: data transfer from oil-rigs and other sites in the oil and gas industry, UAV data transmission, traffic monitoring, energy grids or remotely controlled systems such as robots and autonomous driving or any other that you may spot.

Identify what are the requirements of your client, define the key partners and resources you need to address them and develop a business plan and market strategy.