# [CTT Correios de Portugal, S.A.]



CTT Correios de Portugal, S.A. is Portugal's national postal services provider, involved in mail delivery, express and parcels transportation, as well as banking and payment services. In 2022, it achieved net sales mainly from mail delivery and express services, with significant operations in Portugal, and Spain. The company reports a revenue of EUR 715.42 million for the first nine months of 2023.

## Project Description

CTT seeks a collaboration with HDAG to optimize its operational capabilities. Through a series of consultations, CTT has expressed an interest in utilizing predictive modeling to optimize and understand its operational/delivery capabilities. The broader objective is to integrate dynamic, data-driven strategies to improve service efficiency, ensure timely deliveries, and subsequently enhance customer satisfaction. HDAG will work on:

1. Predictive modeling with feature importance
2. Capacity visualization
3. Creating an operational dashboard

**Internal Partners:** Chief Data Officer

**Datasets:**

1. Historical data on delivery capacity at various stations across Portugal and Spain
2. Information on the number of vehicles, personnel, volume of parcels handled, space, weight, etc., at each delivery point.
3. Any additional data on the resources required to handle the parcels.

**Coding Languages:** Python

**Specific Skills**
1. Modeling and prediction
3. Data visualization
4. Dashboarding

Expected Technical Difficulty: **Medium**