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| 1. **Name of the challenge***:*   *DronMail* |
| 1. **Context*:***   *DronMail will deliver goods using drones. This delivery will be quick, less expensive and very exciting. This type of delivery does not exists in the Czech market and it is very rare in global market. The team will develop a charging station network and due to a sophisticated system of flights they will deliver the goods from one point to the other. They will start with the delivery within the city of Prague and will deliver goods to the distance of 12 km.*  *Target group: big companies, e-shops and transport companies like Czech Post, PPL, etc.* |
| 1. **Problem:**   *Somebody wants to deliver goods in a very short time and does not want to pay a lot for this service. This will be solved by the delivery using drones. This service will be very quick and not as expensive as the other transport companies (especially on a short distance). Delivery drones will be totally autonomous, there will be no need of human intervention.*     1. **Additional info (for internal use):**   *Expected delivery: project schedule, business model, business case, use cases, wireframes, technical description, test cases*  *Instruments: word, excel, MS project, analytical tools (EA), graphical tools* |
| 1. **Skills of the team (for internal use):**   Analytical skills, basic programming skills, knowledge of project management |
| 1. **About the Seeker:**   Czech Technical University in Prague, Faculty of Information Technology, Department of Software engineering  Czech Technical University in Prague is one of the biggest and oldest technical universities in Europe.  CTU currently has eight faculties (Civil Engineering, Mechanical Engineering, Electrical Engineering, Nuclear Science and Physical Engineering, Architecture, Transportation Sciences, Biomedical Engineering, Information Technology) and about 21,000 students.  CTU´s Department of Software Engineering focuses on the theory and methodology of object-oriented programming, virtual machines, database systems, and formal methods and approaches to databases and software engineering. Current research areas include the construction of XML-native database engines and transaction processing, functional approach to XML data processing based on lambda calculus and type systems, and theoretical (in particular, category-based) approaches to the design of formal frameworks for database modelling. Other research interests include interpreters, debuggers and transformation systems as tools for software development. |