

Evaluation Business Model of TUSAGA-Aktif (CORS-Tr)

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SUMMARY

CORS-Tr (TUSAGA-Aktif (Turkish National Permanent GNSS Network – Active), serves location information at cm level accuracy in Turkey and TR Northern Cyprus Republic in few seconds, where enough numbers of GNSS satellites are observed and communication possibilities are present. No ground control points and benchmarks are necessary. There are 146 permanent GNSS stations within the CORS-Tr System. In 2018, it will have 160 stations with the addition of 14 stations. Station data are transferred online to the main control center located in the Mapping Department of the General Directorate of Land Registry and Cadastre.

CORS-Tr System has been operating since the middle of 2008 and is carried out within the scope of the Protocol signed between General Directorate of Land Registry and Cadastre and General Command of Mapping. CORS-Tr Executive Board which consist of two institution representative is authorized to operate CORS-Tr. In order to improve the system and provide better service to the users, the technical and administrative aspects are updated regularly. All the improvements that the system needs in terms of software and hardware are done in the light of development. Thus, the added value obtained from the CORS-Tr System has been increased and contributed to the more efficient use of country resources.

In this paper, how the technical, administrative and financial studies in the operation of the CORS-Tr System were managed with a sustainable business model, studies for solving problems encountered in operating of the system, the cost / benefit analysis of the system and the sharing of experience gained from the perspective of how web-based applications are managed and the business model of the CORS-Tr System are explained in detail.