

Project Adapted Network-RTK

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SUMMARY

Trafikverket, The Swedish Transport Administration is respectively responsible for long-term planning of the transport system for all types of traffic, as well as for building, operating and maintaining public roads and railways. Digitalization are in focus in their research and innovation program stated for the period 2019 – 2024. The field of geodesy serves a central role in the digitalization process by bringing the digital and physical reality together. This is valid for all the stages in the facility lifetime: from early planning, to construction and maintenance of the infrastructure. With a robust future-proof geodetic infrastructure adapted to the Swedish Transport Administration's daily activities, digitization and a more efficient use of resources and reduced environmental impact are made possible as a result.

This paper covers a review of the development of Project Adapted Network-RTK, a concept how to establish and use a new generation of geodetic infrastructure, the design and building process. The concept has developed by the Swedish Transport Administration and been in use since 2006. Today the concept is used as a de facto standard for large and complex projects on a national level.

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