



Fibre backbone renewal 2022 and support for QCI projects in Austria

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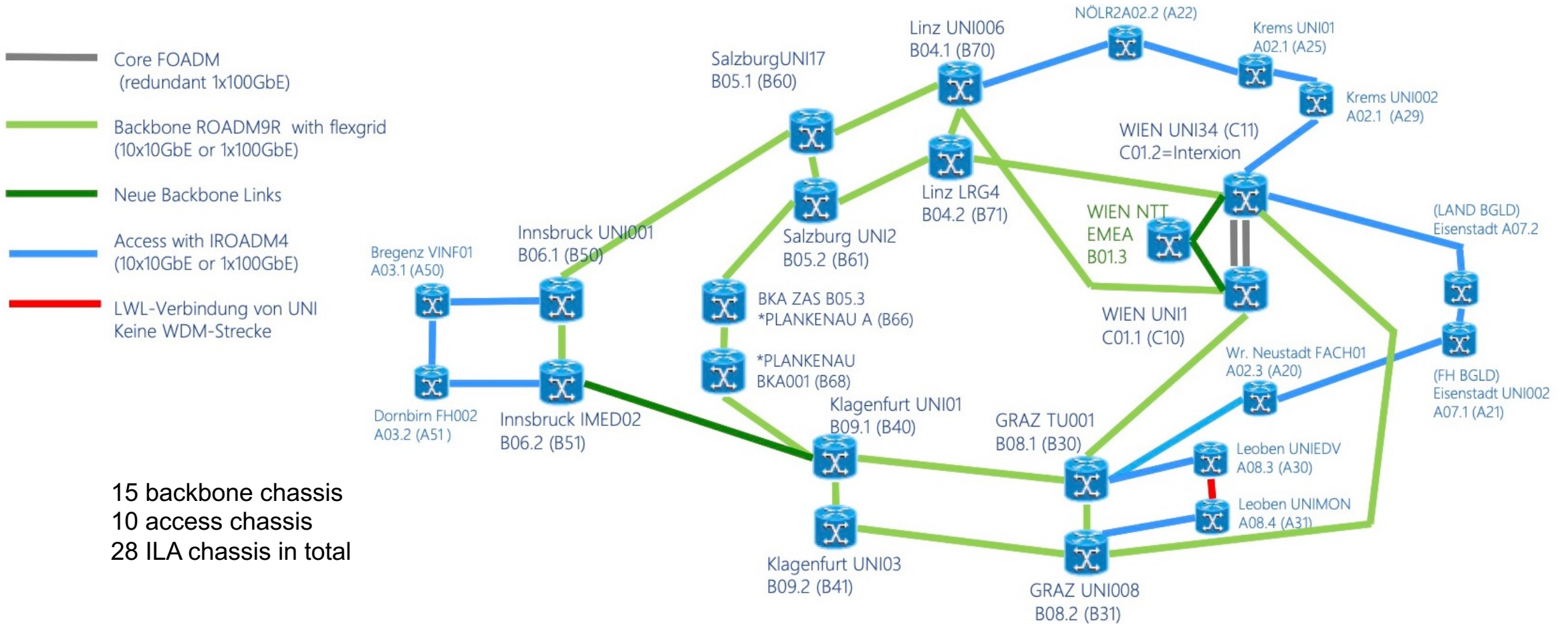
ACOnet 2022 Tender

- ACOnet 2007 backbone contract “expired” after 15 years
- re-tendering process started in 2020
 - with market survey
 - followed by two-stage tender, aimed at **unlimited framework contract** for national **dark fibre backbone** infrastructure
 - and **optional** Optical Transmission Equipment (purchase or as-a-service)
- award of contract to (again) A1 Telekom Austria end of 2021
 - including Optical Transmission Equipment as-a-service

ACOnet 2022 Tender Result

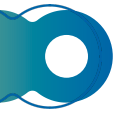
- unlimited / extendable framework contract with A1 Telekom Austria
 - initially „binding“ for 10 years
 - including dedicated Optical Transmission Equipment as-a-service
 - based on Nokia 1830 PSS (owned, installed and operated by A1 exclusively for ACOnet), 400Gig-ready
 - colorless flexgrid / ROADM9R at main backbone locations
 - colorless iROADM4 at access locations
 - with NSP customer view
- including additional passive fibre pair on all main backbone links
- including right to use repeater locations for e.g. QCI equipment

ACOnet 2023 initial fibre + OTE topology



Support for QCI projects in Austria

- supported QCI project consortia:
 - AQUnet (Austrian Quantum Fiber Network) and AQUclock (Austrian Quantum Clock) coordinated by TUWien
 - EuroQCI/QKD projects (e.g. QCI-CAT) coordinated by AIT
 - Quantum Computing Research at Uni Innsbruck
- temporarily making available spare fibre capacities for research projects of ACOnet members (e.g. Innsbruck-Vienna for AQUnet, Graz-Vienna for QCI-CAT)
- use of the new framework contract for project-funded, supplementary infrastructure (e.g. dark fibre, repeater stations)



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