LANCOM Reference Projects – Wi-Fi in Luxembourg schools

Customer
The Centre de gestion informatique de l’éducation (CGIE) is responsible for the IT and communications infrastructure of the education sector in Luxembourg. This includes all national administrative bodies, services, schools, and institutions under the Ministry of Education.

Concept / Requirements
- All secondary schools were to be equipped with a standardized, secure Wi-Fi infrastructure (the eduWiFi campaign)
- Optimized configuration and maintenance of wireless networks
- Low-cost expansion of existing Wi-Fi infrastructure
- Better cost control

Solution
- Phase 1: All schools without Wi-Fi were equipped with a starter kit consisting of access points, a WLAN controller, and a hotspot solution for guest access
- Connection to eduroam for secure access by means of IAM login and password
- Phase 2: Expansion of existing Wi-Fi infrastructures at the other schools

Benefits
- Standardization of Wi-Fi infrastructures and simplified administration of the standardized and nationally funded program
- Cost-savings through optimization and expansion of existing networks
- Secure network access for pupils and visitors (guest access)

Infrastructure
- > 700 x WLAN access point L-321agn
- ca. 40 x WLAN controller WLC-4025+