



## 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+



LE GOUVERNEMENT  
DU GRAND-DUCHÉ DE LUXEMBOURG  
Ministère de l'Éducation nationale,  
de l'Enfance et de la Jeunesse  
Centre de gestion informatique  
de l'éducation