Scope and goals of the project

• We reach the limits of the current Wi-Fi infrastructure (support, feature, design, etc…)
• Need for a full coverage of all office buildings across CERN campus (~200 Blds - ~4.000 APs)
• High density coverage
• High performance Wi-Fi network
• Centralised configuration and monitoring tool
• Seamless roaming within the Wi-Fi coverage area (inside and between buildings)
• Guest Wi-Fi
Solution overview

• Controller Based Wi-Fi infrastructure (centralised configuration, RF settings automations, Guest traffic isolation)

• 802.11ac Wave1/2 to provide the best performances available today

• Interconnection with our existing tools (for configuration automation and high-level monitoring)

• Large project with impact on Building infrastructure (new cabling, new switches, etc…)

• Pilot on going, deployment expected beginning of 2017