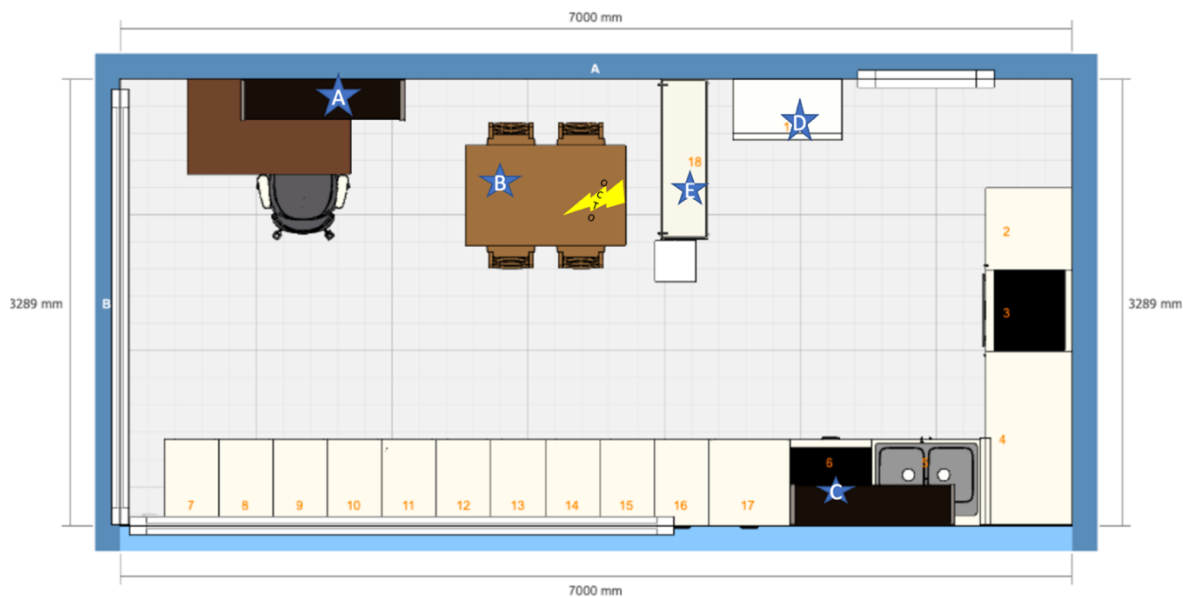


Rome, January 22, 2021

Preliminary analysis of the sanitation of the Octo Telematics AFL MINI Sanifier device

The sanitization was carried out using a 25 sqm room. Not wanting to alter the results, the room was not sanitized or cleaned prior to the experiments to mimic the real conditions of use. The tests were carried out by analyzing the battery charger in 5 points of the room and the quantity of bacteria is expressed as CFU (bacterial colony). The higher this value, the greater the amount of bacteria present in the environment. A sterile environment has less than 1 colony at each sampling point, a nearly sterile environment has between 1 to 4 colonies at the sampling points, a healthy environment has fewer than 20 bacterial colonies. A highly polluted environment have more than 100 colonies for all sampling points. The count of bacterial colonies took place before and after sanitization with the OCTO AFL MINI Sanifier device, sanitizing the environment for 1 or 2 hours. The comparison of bacterial colonies before and after indicates the effectiveness of the sanitation. The number of colonies after sanitation indicates the level of sanitation achieved

Scheme 1. Sampling points indicated as A-E stars, MINI Sanifier indicted as lightning



The sanitization conducted with the OCTO AFL MINI Sanifier device led to a reduction of the bacterial load in the environment up to 90% and all the sampling points had a charge of 1 or less bacterial colonies indicating an almost sterile environment. The sanitization has proved effective even with only 1 hour of treatment.


Prof. Pierluca Galloni