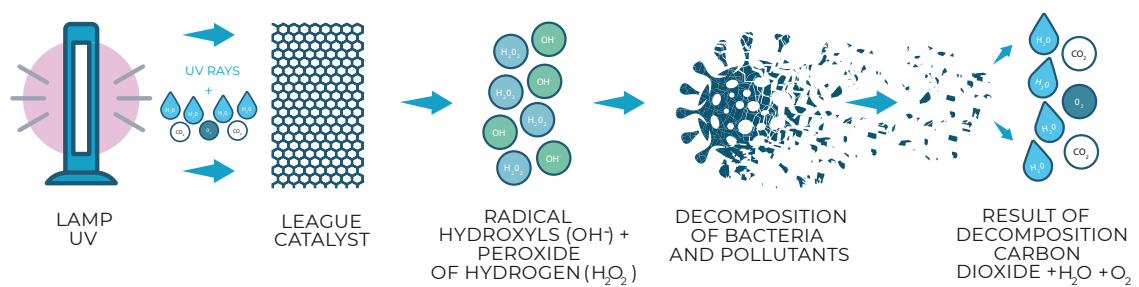


PHOTOCATALYSIS

In the **photocatalysis** modules installed in our systems, **UV-C rays** are reproduced which, in the presence of oxidizing catalysts in nanoparticles, such as titanium dioxide and other noble metals, trigger a **photochemical reaction** whereby a new oxygen atom binds to the water molecules present in the humidity of the **air**.

This is how **hydrogen peroxide** is generated, or hydrogen peroxide which, together with other oxidizing ions produced by the reaction, destroys most of the pathogenic substances present **in the air and in the environments**, breaking down the toxic and polluting molecular formations.



Going into detail, hydrogen peroxide is considered one of the **most effective disinfectants**, recommended by the highest health authorities for its proven germicidal action.

