clear-up presents a holistic, systemic approach towards reducing operational energy use in buildings. By development and novel use of nano-materials - in fields such as electrochromic, photocatalytic, phase change, nano-porous vacuum insulation and gas sensitive materials - it aims to increase energy performance in heating, ventilation, air conditioning, lighting systems and to improve indoor air quality by using catalytic purification.

clear-up’s solutions, which will be installed, measured and evaluated in the laboratory, in a large-scale testing facility and in real world applications, are designed for retro-fitting existing buildings and of course for new constructions.