

D5 - Simulating the impact of fatigue, sleep, lighting and drugs on brain functions

This game-based demonstration will showcase the neurological functions of the brain when fatigued, working at night, and under the influence of various drugs. It will also illustrate how engaging the right side of the brain can enhance the retention of cognitive function and increase left-brain processing. Goggles will be used to stimulate neurological areas of the brain receptors dealing with fatigue, sleep, lighting and drugs. The study shows how fine motor and gross motor movements of workers can be impaired.