

That's cold: Japan tech blasts snoozing workers with AC

July 26 2018



The system monitors the movement of employee's eyelids with a camera attached to a computer

Japanese office workers hoping to nod off on the job may need to sleep with one eye open thanks to a new system that can detect snoozers and blast them with cold air.

Air conditioning manufacturer Daikin and electronics giant NEC said

Thursday they have begun trialling the system, which monitors the movement of the employee's eyelids with a camera attached to a computer.

The computer can automatically lower the room's temperature if it detects dozing at desks.

"We hope to introduce this system commercially in 2020," a Daikin spokesman told AFP, adding that a trial had begun this month.

The system uses Daikin's technology to automatically adjust temperatures and NEC's [facial recognition technology](#) to monitor different types of eyelid movement that suggest sleepiness.

It was developed after an initial study done by the companies on how best to keep people alert.

They tried lowering temperatures by a few degrees, increasing brightness and spraying aromas in a room while participants did simple maths for about an hour.

"Our study proved that lowering temperature is effective... especially when the early signs of sleepiness are detected," the companies said in a joint statement.

And in news likely to provide cold comfort to Japan's infamously overworked salarymen, Daikin hopes to eventually develop [air conditioners](#) that can direct cool blasts to specific snoozing workers.

© 2018 AFP

Citation: That's cold: Japan tech blasts snoozing workers with AC (2018, July 26) retrieved 13 March 2024 from <https://phys.org/news/2018-07-cold-japan-tech-blasts-snoozing.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.