
Development of remote-controlled laser decontamination system

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We are developing a decontamination system using laser technology for application to the decommissioning of nuclear power plants and radiation application facilities. The advantage of laser decontamination is that the exposure of workers can be reduced by remote control and automation, and the secondary waste is small because it is a dry process without the need to use any medium. Application tests were conducted in a cold environment to evaluate the performance of the newly developed remotely operated laser decontamination system. As a result, it was confirmed that the system could continuously cut the concrete and steel surfaces using an automatic program. In addition, the superiority of the laser decontamination technology was confirmed in terms of the amount of waste generated compared to conventional methods.
