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**INNOVATIONS
AND TRENDS**

Smart recognition systems for predictive maintenance



GST has developed smart IOTs linked to a centralized processing unit. Each system is composed of a camera and image processing plus AI modules. The system processes video streams of millions of images 24 hours a day, and then transmits critical pieces of information to an IT customer server after performing detection, searching, deepening, and real-time identification. In the field of predictive maintenance, a case of application is the identification of critical defects on the roofs of trains running at high speed (example: pantographs). It assists the operator to prevent any type of incident and/or damage. It contributes directly to the efficiency of the maintenance teams and significantly reduces costs.

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Subject to further change