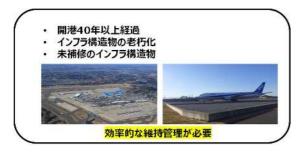
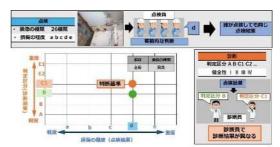
Name	Job Title	Area of Expertise
YAMAGUCHI Kohei	Associate Professor	Bridge Engineering / Maintenance
		Management Engineering

1. Main Research Topics

① Establishing efficient maintenance methods by analysis of inspection data for airport infrastructure and bridges managed by local governments





② Development of bridge inspection and diagnosis support system using 3D data and image analysis



3 Establishment of an efficient bridge diagnosis method using generative AI



4 Estimation of internal defect shape in concrete using computed tomography and three-dimensional unsteady conduction analysis

2. Keywords

Infrastructure, Bridges, Maintenance, Inspection and diagnosis, Municipal support

3. Remarks and Websites

Laboratory: : https://nagasakibridgelab.wixsite.com/mysite

Our lab. aims to tackle three pillars of themes in line with social needs: short-term, medium-term, and long-term. Our lab. focuses on the construction, renewal, and maintenance of social infrastructure in general, but mainly bridges. Our lab. also collaborates with our laboratory alone, management organizations (local governments, airport management organizations), and companies (NTT Domo Solutions, AGC, KOBLCO, etc.).