Slurry Image Analyzer Version 2

Image Analysis Software

Software Maintenance

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| Reviewers |  |
| Document Version | 1.0 |

# Purpose of Document

This concise document includes information relevant to long term maintenance of the Slurry Image Analyzer image processing software and is relevant for long-term software management. It will be useful for anyone responsible for managing and enhancing the software after initial development.

- SIA V2 Image Analysis Software Project Folders:

- src

(source code files)

- tests

(unit and system test files)

- docs

(documentation files)

• Overview: Provides a brief introduction to the SIA image processing software,

including its scope, and its role within the overall system.

• Dependencies: List all external dependencies, libraries, and third-party components

used by the software, along with their versions, and confirmation of licencing

provisions.

• Installation and Deployment: Provide step-by-step instructions for installing,

configuring, and deploying the software.

• Configuration Management: Explain any necessary steps to configure the software,

where configuration files are located, and how configuration changes are handled.

• Testing Procedures: Summarize testing methodologies, including unit testing and

system testing. This documentation enables the efficient retesting of the software

following any modifications or updates to ensure its continued proper functioning.

Includes information on how to run tests and interpret results.

• Version History: Document a version history detailing major and minor releases,

updates, and changes. Include release dates and a summary of changes for each

version.

• Known Issues: List any known issues or limitations of the software and provide

information on their status and workarounds.

• List of error codes and what they mean and how to remedy the error.

• Future Development Plans: Optionally, provide insight into future development

plans, possible additional features, or anticipated changes