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Comprehensive overview of the project

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Deliverable Information sheet

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Executive Summary

The present document provides a comprehensive overview of project NEWAIMS.

This description includes a detailed review of the state of the art related to research, study, and demonstrate strategies to achieve cost-effective, high-performance steel through additive manufacturing processes, employing concepts of modified AM with integrated heat treatments, while correlating processes and microstructures with final performance outcomes.

The review of the state of the art is used to formulate the main challenges and gaps in knowledge found in the literature, and discuss how the project is expected to address these gaps and bring additional value.

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