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	Sommario/riassunto	This book constitutes the proceedings of the 5th International Workshop on Agents and Robots for Reliable Engineered Autonomy, AREA 2025, which took place in Bologna, Italy, on October 25, 2025, in conjunction with ECAI 2025. The 8 full papers included in this book

were carefully reviewed and selected from 13 submissions. They deal with agent-oriented software engineering, robotic applications, formal verification, and artificial intelligence. .