



DEPARTMENT OF INFORMATICS

UNIVERSITY OF APPLIED SCIENCES DÜSSELDORF

Bachelor's Thesis in
Electrical-Engineering and Information Technology

Development of a Confined Spaces Dispatch Software for an Canadian Fire Brigade

André Kuhlmann



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Entwicklung einer Einsatzleitsoftware für beengte
Räume für eine kanadische Feuerwehrwache

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*I confirm that the submitted thesis is original work and
was written by me without further assistance.
Appropriate credit has been given where reference has
been made to the work of others.*

Düsseldorf, dd.mm.yyyy

Abstract

This work focuses on designing an application ecosystem for a Canadian fire department. As it is part of the critical infrastructure, safety and code quality is of main concern. The thesis will go over the complete development life cycle, from planning to actual implementation of a Computer-Aided Dispatch software for confined spaces.

Along the way, any security or reliability concerns will be pointed out and addressed.