

Deep!U

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Drill strings prototypes

Lead Beneficiary: Prevent

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TABLE OF CONTENTS

PUBLISHABLE SUMMERY

1. INTRODUCTION.....	6
2. PROTOTYPES ASSEMBLEMENTS FOR LABORATORY TESTS.....	8

PUBLISHABLE SUMMARY

Prevent has developed, designed, manufactured, tested, analyzed and evaluated various 3-fold drill strings for a long and stable transport of liquid nitrogen and safe laser beam guidance. This report describes how the development of the prototype drill strings was carried out throughout the entire project, which technical changes had to be made to the drill strings, both for those used in the laboratory and for those that are to be used in the field test in the next step after the EU project. These various further developments of the drill strings were strongly influenced by the following parameters such as temperature, material performance, tightness at different pressures, handling and screwing behavior of single drill pipe segments.