TABLE OF CONTENTS

Foreword		
Foreword		
1	Introduction	
2	Case	s and snapshots21
	2.1	Case 1: Good maintenance at BASF; chemical industry
	2.2	Case 2: Improving maintenance work safety by inherently safe design of a reeling machine
	2.3	Snapshot 1: Health and safety management system at Romec
	2.4	Case 3: "Smart" remote-controlled geographical system for maintenance operations: design and
		development of a prototype32
	2.5	Case 4: Renault, analysis of risk situations41
	2.6	Case 5: Major overhaul of conventional thermal power station
	2.7	Case 6: Maintenance practice in the printing industry53
	2.8	Snapshot 2: Efforts to reduce accidents related to repair and maintenance of farming equipment in
		Ireland
	2.9	Case 7: Safe access system used for the maintenance of a power supply line network
	2.10	Snapshot 3: Safe maintenance concept for the Oresund fixed link
	2.11	Case 8: Air France Industries: creating a virtual tool to plan in advance for real-world defects. $\dots 63$
	2.12	Case 9: Safe maintenance of hydraulic systems
	2.13	Case 10: Substitution of dangerous substances in repair and maintenance work
	2.14	Snapshot 4: How to protect workers from asbestos risks
	2.15	Case 11: Taking risks with asbestos: What influences the behaviour of maintenance workers? \dots 74
	2.16	Case 12: Solutions to reduce stress in occupational maintenance
	2.17	Snapshot 5: Training based on comprehensive guidelines to improve health and safety in waterways
		maintenance work81
	2.18	Case 14: A source-oriented strategy to reduce workplace risks during the maintenance of trains 83
3	Conclusions	
	3.1	Lessons learned from good practice90
	3.2	Good safety and health management is at the heart of safe and reliable maintenance
	3.3	Risk assessment of maintenance tasks91
	3.4	Prevention through design — eliminating hazards at the design stage92
	3.5	Replacing hazardous substances to eliminate or minimise hazards93
	3.6	Training and information as supportive measures
	3.7	Tackling the stress factors affecting maintenance work
4	Key	success factors in the prevention of risks during maintenance work
5	Red	ucing the risks: some practical recommendations99

