Contents

Li	st of I	Figures		viii			
Li	st of '	Tables		Х			
A	cknow	ledgem	ents	xii			
N	Notes on Contributors x						
		uction Szymcza	ak	1			
1	Supply Chain Management Maciej Szymczak, Mariusz Szuster, Grażyna Wieteska and Anna Baraniecka						
	1.1		essence, structure and objectives of the supply chain	9			
	1.2		areas of management in the supply chain	16			
			ionships in supply chains	24			
	1.4		tions of supply chain development	31			
	Not		•	39			
	Bibliography			40			
2	Supply Chain Development Process						
	Anna Baraniecka						
	2.1	Integr	ration of the supply chain	45			
		2.1.1	Nature and significance of supply chain				
			integration	45			
			Reasons for and benefits of integration	46			
			Types of supply chain integration	48			
			Barriers to supply chain process integration	51			
	2.2	Conce	epts, methods and tools supporting supply				
			integration	52			
			S&OP: essence and purpose	56			
			VMI: essence and purpose	57			
		2.2.3	CPFR: essence and purpose	58			
			ECR: essence and purpose	60			
		2.3 Supply chain maturity models		63			
	2.4 Results of research			73			
	Notes						
	Bibliography						

3	Supply Chain Risk Grażyna Wieteska			87			
	3.1 Definition of risk						
			nal and external sources of risk for supply chains	87 96			
	Note		ial and external sources of fish for supply chams	102			
		- iograpł	ny	102			
4	Out	sourcii	ng and Offshoring as Factors Increasing Risk in				
		Supply Chains					
	Mariusz Szuster						
	4.1	The e	ssence of outsourcing and offshoring	106			
		4.1.1	Outsourcing	106			
		4.1.2	Purpose of outsourcing	107			
		4.1.3	Scope of outsourcing	108			
		4.1.4	Differences between outsourcing and offshoring	109			
		4.1.5	Purpose of offshoring	110			
		4.1.6	Areas of offshoring application	111			
	4.2	Appli	cation of outsourcing and offshoring in				
		manu	ıfacturing	111			
		4.2.1	Outsourcing of manufacturing operations	111			
		4.2.2		113			
		4.2.3	Offshore outsourcing	116			
	4.3	Outso	ourcing of logistics functions	116			
	4.4	Risk r	elated to outsourcing and offshoring	120			
			Outsourcing risk	120			
		4.4.2	Offshoring risk	122			
		4.4.3	International sourcing	124			
	4.5		ifying the major sources of risk in manufacturing				
		~	anies – results of research	126 129			
	Bibliography						
5	_		nain Risk Management	133			
	Grażyna Wieteska						
	5.1		nanagement and risk mitigation methods	133			
	5.2		ity and business continuity management				
			e supply chain	142			
		5.2.1	- I I -)	142			
		5.2.2	g	- 45			
		D: 1	in the supply chain	145			
	5.3		mitigation methods – results of research	148			
			Companies using outsourcing	148			
	D:1 1	5.3.2	Companies using offshoring	153			
	RIDI	iograp	ny	157			

6	Information Management in the Supply Chain			
	Maciej Szymczak			
	6.1	Data, information and knowledge in the supply chain	160	
	6.2	Data processing and information management models	166	
	6.3 ICT solutions for the supply chain			
	6.4	Results of research	178	
	Not	es	189	
	Bibliography			
7	sound suprime management in the supply small			
	Anna Baraniecka			
	7.1	The importance and role of social capital in		
		the supply chain		
		7.1.1 Macroeconomic approach to social capital	198	
		7.1.2 Microeconomic approach to social capital	204	
	7.2	Social capital of the supply chain	207	
	7.3	Results of research	212	
	Notes			
	Bibliography			
Su	Summary			
Inc	lex		223	