

26. Intangible assets

	31.12.2017	31.12.2016
Goodwill	3 532	3 532
Patents, licences and similar assets, including:	379 288	347 524
- computer software	264 764	268 308
Other intangible assets	3 150	4 082
Intangible assets under development	324 672	227 525
Total intangible assets	710 642	582 663

In 2017 and 2016, the Group performed impairment tests of intangible assets under development and goodwill. As a result of the tests, impairment has been not stated.

Movements in intangible assets

Movements in intangible assets from 1 January to 31 December 2017	Development costs	Patents, licences and other similar assets	Other intangible assets	Intangible assets under development	Total intangible assets	Total intangible assets
		including: computer software				
Gross value of intangible assets as at the beginning of the period: 01.01.2017	39	1 116 349	803 771	21 834	227 525	4 728
Increase (due to)		136 276	55 175	152	214 162	-
- purchase	-	58 178	3 746	150	161 705	-
- transfer from intangible assets under development	-	75 923	51 429	2	-	75 925
- development costs	-	-	-	-	22 853	-
- other increases	-	2 175	-	-	29 604	-
Decrease (due to)		(20 418)	(1 280)	(123)	(117 015)	-
- liquidation	-	(19 988)	(983)	(9)	-	(19 997)
- transfer to intangible assets given to use	-	-	-	-	(75 925)	(75 925)
- non-current assets held for sale	-	(68)	(68)	-	-	(68)
- other decreases	-	(362)	(229)	(114)	(41 090)	(41 566)
Gross value of intangible assets as at the end of the period: 31.12.2017	39	1 232 207	857 666	21 863	324 672	4 728
Accumulated amortization as at the beginning of the period: 01.01.2017	(39)	(768 825)	(535 463)	(17 752)	-	(786 616)
Amortization for the period (due to)		(84 094)	(57 439)	(961)	-	(85 055)
- amortization	-	(104 127)	(58 534)	(1 056)	-	(105 183)
- liquidation	-	19 987	983	9	-	19 996
- non-current assets held for sale	-	68	68	-	-	68
- other decreases	-	(22)	44	86	-	64
Accumulated amortization as at the end of the period: 31.12.2017	(39)	(852 919)	(592 902)	(18 713)	-	(871 671)
Impairment losses as at the beginning of the period: 01.01.2017	-	-	-	-	-	(1 196)
Impairment losses as at the end of the period: 31.12.2017	-	-	-	-	-	(1 196)
Net value of intangible assets as at the end of the period: 31.12.2017	-	379 288	264 764	3 150	324 672	3 532
						710 642

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Movements in intangible assets from 1 January to 31 December 2016	Development costs	Patents, licences and other similar assets		Other intangible assets	Intangible assets under development	Goodwill	Total intangible assets
			including: computer software				
Gross value of intangible assets as at the beginning of the period: 01.01.2016	39	1 028 560	749 173	22 227	163 006	4 728	1 218 560
Increase (due to)	-	143 766	110 240	10	185 178	-	328 954
- purchase	-	11 907	2 795	8	146 113	-	158 028
- transfer from intangible assets under development	-	102 422	89 452	2	-	-	102 424
- development costs	-	-	-	-	23 698	-	23 698
- other increases	-	29 437	17 993	-	15 367	-	44 804
Decrease (due to)	-	(55 977)	(55 642)	(403)	(120 659)	-	(177 039)
- liquidation	-	(28 805)	(28 513)	(403)	-	-	(29 208)
- transfer to intangible assets given to use	-	-	-	-	(102 424)	-	(102 424)
- other decreases	-	(27 172)	(27 129)	-	(18 235)	-	(45 407)
Gross value of intangible assets as at the end of the period: 31.12.2016	39	1 116 349	803 771	21 834	227 525	4 728	1 370 475
Accumulated amortization as at the beginning of the period: 01.01.2016	(39)	(681 193)	(499 209)	(17 073)	-	-	(698 305)
Amortization for the period (due to)	-	(87 632)	(36 254)	(679)	-	-	(88 311)
- amortization	-	(115 833)	(73 971)	(1 082)	-	-	(116 915)
- other increases	-	(20 998)	(11 162)	-	-	-	(20 998)
- liquidation	-	28 805	28 513	403	-	-	29 208
- other decreases	-	20 394	20 366	-	-	-	20 394
Accumulated amortization as at the end of the period: 31.12.2016	(39)	(768 825)	(535 463)	(17 752)	-	-	(786 616)
Impairment losses as at the beginning of the period: 01.01.2016	-	(10)	-	-	-	(1 196)	(1 206)
- decrease	-	10	-	-	-	-	10
Impairment losses as at the end of the period: 31.12.2016	-	-	-	-	-	(1 196)	(1 196)
Net value of intangible assets as at the end of the period: 31.12.2016	-	347 524	268 308	4 082	227 525	3 532	582 663