

## 2.2 Operating expenses

### Consumption of traction electricity and traction fuel

	2018	2017
Consumption of traction fuel	(210.6)	(170.1)
Consumption of traction electricity	(404.5)	(374.7)
<b>Total</b>	<b>(615.1)</b>	<b>(544.8)</b>

### Other services

	2018	2017
Repair services	(64.9)	(53.3)
Rent and fees for the use of real properties and rolling stock	(216.6)	(168.9)
Telecommunications services	(6.4)	(7.5)
Legal, consulting and similar services	(16.1)	(22.7)
IT services	(44.2)	(45.2)
Maintenance and operation services for facilities and fixed assets	(32.1)	(30.0)
Transshipment services	(20.0)	(21.7)
Reclamation services	(75.0)	(51.2)
Other services	(54.3)	(50.1)
<b>Total</b>	<b>(529.6)</b>	<b>(450.6)</b>

### Employee benefits

	2018	2017
Payroll	(1,246.2)	(1,137.5)
Social security expenses	(266.0)	(244.6)
Expenses for contributions to the Company Social Benefits Fund	(22.3)	(24.4)
Other employee benefits during employment	(40.9)	(41.0)
Post-employment benefits	(6.6)	(6.0)
Movement in provisions for employee benefits	(69.4)	(56.8)
<b>Total</b>	<b>(1,651.4)</b>	<b>(1,510.3)</b>

### Other expenses

	2018	2017
Consumption of non-traction fuel	(22.5)	(21.6)
Consumption of electricity, gas and water	(36.7)	(38.0)
Consumption of materials	(106.2)	(100.4)
Taxes and charges	(27.6)	(39.0)

	2018	2017
Cost of goods and raw materials sold	(45.1)	(39.1)
Business trips	(33.5)	(32.1)
Other	(27.3)	(27.1)
<b>Total</b>	<b>(298.9)</b>	<b>(297.3)</b>

### Depreciation, amortization and impairment losses

	2018	2017
Depreciation of rolling stock	(461.7)	(479.5)
Depreciation of other property, plant and equipment	(80.3)	(77.2)
Amortization of intangible assets	(16.8)	(17.5)
Recognized / (reversed) impairment losses:		
Rolling stock	(69.0)	27.5
Other property, plant and equipment	(1.6)	(0.2)
<b>Total</b>	<b>(629.4)</b>	<b>(546.9)</b>