

Aufgabe 7.20: Neubewertung

(Revaluation)

ALIGSE Ltd. ist ein Transportunternehmen. Es betreibt 30 Transporter, die alle am 1.07.20X3 zu einem Nettopreis von 27.300,00 EUR/van angeschafft wurden. Die Nutzungsdauer der Transporter beträgt 6 Jahre. Verwenden Sie lineare Abschreibung. Es ist ein Restwert zu beachten, der 3.000,00 EUR/Transporter beträgt. Am 1.01.20X5 erkennt ALIGSE, dass die Neupreise für vergleichbare Transporter um 2.700,00 EUR/Transporter gestiegen sind. Der Buchhalter bewertet alle Transporter am 5.01.20X5 neu und wendet die Brutto-Ersatz-Methode an. Es gibt keine Änderung für den Restwert der Transporter. Am 31.12.20X5 verkauft die ALIGSE die Hälfte der Transporter für jeweils 16.200,00 EUR.

Gefragt: Buchen Sie die Transporter und erstellen Sie einen Anlagespiegel zum 31.12.20X5. Vergessen Sie nicht die Buchungssätze für Steuerlatenzen. Wie hoch ist der Gewinn/Verlust aus dem Abgang der Transporter in 20X5? Berücksichtigen Sie keine Umsatzsteuer.

English Version:

ALIGSE Ltd. is in the transport business. They run 30 vans all bought on 1.07.20X3 at a cost price (net of VAT) 27,300.00 EUR/van. The useful life of the vans is 6 years. Use straight line method for depreciation. There is a residual value to be considered to be 3,000.00 EUR/van. On 1.01.20X5 ALIGSE learns that the price for new vans similar kind has increased by 2,700.00 EUR/van. The bookkeeper revalues all vans on 5.01.20X5 by gross replacement method. There is no change made in terms of the residual value of the vans. On 31.12.20X5 ALIGSE sold half of the vans for 16,200.00 EUR each.

Required: Make bookkeeping entries for the vans and prepare a register of non-current assets as at 31.12.20X5 for the vans. Do not forget to make bookkeeping entries for deferred taxes. How much is the profit/loss on disposal in 20X5? Ignore VAT.

Lösung: (Solution)

(1) Bookkeeping entry when the vans were bought ($27,300 \times 30 = 819,000.00$ EUR):

DR P, P, E	819, 000.00 EUR
CR Bank	819, 000.00 EUR

(2) Depreciation in 20X3, half year. $30 \cdot 0.5 \cdot (27,300 - 3,000)/6 = 60,750.00$ EUR.

DR Depr.	60, 750.00 EUR
CR Acc. Depr.	60, 750.00 EUR

(3) Depreciation in 20X4. $30 \cdot (27,300 - 3,000)/6 = 121,500.00$ EUR.

DR Depr.	121,500.00 EUR
CR Acc. Depr.	121,500.00 EUR

(4) Revaluation along gross replacement method. The new acquisition amount of the vans is $27,300 + 2,700 = 30,000.00 \text{ EUR/van}$. Depreciation is accordingly $(30,000 - 3,000)/6 = 4,500 \text{ EUR/a} \cdot \text{van}$. ALIGSE has to make up depreciation for 1.5 years, which amounts to $30 \cdot 1.5 \cdot (4,500 - (27,300 - 3,000)/6) = 20,250.00 \text{ EUR}$. The amount of revaluation is $(30,000 - 675 - 27,300) \cdot 30 = 60,750.00 \text{ EUR}$.

DR P, P, E @valuation	900,000.00 EUR
CR Acc. Depr.	20,250.00 EUR
CR P, P, E @cost	819,000.00 EUR
CR Revaluation Reserves	60,750.00 EUR

(5) Bookkeeping entry for liabilities for deferred taxes. $30\% \cdot 60,750 = 18,225.00 \text{ EUR}$.

DR Revaluation Reserves	18,225.00 EUR
CR Deferred Tax Liabilities	18,225.00 EUR

(6) Depreciation in 20X5: $30 \cdot (30,000 - 3,000)/6 = 135,000.00 \text{ EUR}$.

DR Depr.	135,000.00 EUR
CR Acc. Depr.	135,000.00 EUR

(7; 8) Depreciation requires to dissolve the revaluations reserves and deferred tax liabilities. The rate of depreciation equals to $135,000 / (900,000 - 60,750 - 121,500 - 20,250) = 19.35\%$.

Deferred tax liabilities will be transferred to the Revaluation Reserves account to the extent of 19.35 %. The amount to be reduced is $18,225 \cdot 19.35\% = 3,526.54 \text{ EUR}$. The amount to be reduced from revaluation reserves is $60,750 \cdot 19.35\% = 11,755.13 \text{ EUR}$.

DR Provisions	3,526.54 EUR
CR Revaluations Reserves	3,526.54 EUR

DR Revaluations Reserves	11,755.13 EUR
CR R/E	11,755.13 EUR

(9) Sales of half of the vans is recorded through the Realization Account:

DR Realization	450,000.00 EUR
CR P, P, E @valuation	450,000.00 EUR
DR Acc. Depr.	168,750.00 EUR
CR Realization	168,750.00 EUR
DR Bank	243,000.00 EUR
CR Realization	243,000.00 EUR

(10) At the same time of selling the vans deferred tax liabilities and revaluation reserves are to be dissolved accordingly. The amount for the deferred tax liabilities is half of the current value: $14,175/2 = 7,087.50$ EUR.

DR Provisions	7,349.23 EUR
CR Revaluation Reserves	7,349.23 EUR

(11) Dissolving revaluation reserves equals to: $(60,750 - 11,755.13) / 2 = 24,497.44$ EUR.

DR Revaluation Reserves	24,497.44 EUR
CR R/E	24,497.44 EUR

See accounts in exhibit 1 for the full picture:

PPE at cost			Bank			Depr.-20X3			
(1)	819,000.00	c/d	819,000.00	(1)	819,000.00	(2)	60,750.00	P&L	60,750.00
b/d	819,000.00	(4)	819,000.00	(9c)	243,000.00	b/d			

Acc. Depr.			Depr.-20X4			PPE at val					
c/d	60,750.00	(2)	60,750.00	(3)	121,500.00	P&L	121,500.00	(4)	900,000.00	(9a)	450,000.00
b/d	60,750.00	b/d	60,750.00					c/d	450,000.00		450,000.00
c/d	182,250.00	(3)	121,500.00						900,000.00	c/d	900,000.00
	182,250.00		182,250.00					b/d	450,000.00		
		b/d	182,250.00								
		(4)	20,250.00								
c/d	337,500.00	(6)	135,000.00								
	337,500.00		337,500.00								
(9b)	168,750.00	b/d	337,500.00								
c/d	168,750.00										
	337,500.00		337,500.00								
		b/d	168,750.00								

Rev. Res.			Deferred Tax Liab.			Depr.-20X5					
(5)	18,225.00	(4)	60,750.00	(7)	3,526.54	(5)	18,225.00	(6)	135,000.00	P&L	135,000.00
(8)	11,755.13	(7)	3,526.54	c/d	14,698.46						
c/d	34,296.41				18,225.00		18,225.00				
	64,276.54		64,276.54	(10)	7,349.23	b/d	14,698.46				
	24,497.44	b/d	34,296.41	c/d	7,349.23						
c/d	17,148.20	(10)	7,349.23		14,698.46		14,698.46				
	41,645.64		41,645.64			b/d	7,349.23				
		b/d	17,645.64								

R/E			Realization			P&L					
c/d	11,755.13	(8)	11,755.13	(9a)	450,000.00	(9b)	168,750.00	Real	38,250.00		
b/d	11,755.13	b/d	11,755.13			(9c)	243,000.00				
c/d	24,497.44	(11)	24,497.44			c/d	38,250.00				
	24,497.44		36,252.57		450,000.00		450,000.00				
		b/d	24,497.44	b/d	38,250.00	P&L	38,250.00				

Exhibit 1: Accounts

**Aligse Ltd's
REGISTER OF NON-CURRENT ASSETS
as at 31.12.20X6**

Item	Cost/ Valuation [EUR]	Acc. Depreciation [EUR]	Acc. Impairment Loss [EUR]	Carrying Amount [EUR]
Vans	450.000,00	(168.750,00)	0,00	281.250,00
				<u>281.250,00</u>

Exhibit 2: Register of non-current assets

The loss on disposal amounts to **38,250.00 EUR** = $15 \cdot [(3.5 \cdot (30,000 - 3,000)/6) + 3000 - 16,200]$.