Picture References
Kaplan Turbines
Low head Kaplan Turbine – axial
Scope of supply:
Turbine, hydraulic governor, generator, erection and commissioning

Main data:
Type: 1 x S - 10.6/SR6A
Output: 1.323 kW
Head: 23.05 m
Speed: 600 min⁻¹
Year: 2015
Varazdin
Kroatien

Scope of supply:
Turbine, hydraulic governor, supervision erection and commissioning

Main data:
Type: 1 x AG-13.1VK4A-01-01
Output: 496 kW
Head: 6,80 m
Speed: 388 min⁻¹
Year: 2014
Graninge Sweden

Scope of supply:
Turbine, asynchronous generator

Main data:
Type: 1 x Z - 10,6/SR6A
Output: 807 kW
Head: 15 m
Speed: 500 min\(^{-1}\)
Year: 2014
Semla Sweden

Scope of supply:
Turbine, hydraulic governor, cooling water system, erection and commissioning

Main data:
Type: RT-22,0 VK4A
Output: 3.403 kW
Head: 10.50 m
Speed: 250 min⁻¹
Year: 2014
Rothenfels
Germany

Scope of supply:
Turbine, generator, hydraulic governor, cooling water system, electrical equipment, erection and commissioning

Main data:
Type: RT-28,2 VK4A
Output: 2.072 kW
Head: 4,37 m
Speed: 130 min⁻¹
Year: 2014
Cotlan
Switzerland

Scope of supply:
Turbine, generator, hydraulic
governor, cooling water system,
electrical equipment, erection and commissioning

Main data:
Type: SZ-16,0 SR6A
Output: 2.537 kW
Head: 19.65 m
Speed: 375 min⁻¹
Year: 2014
Bad Goisern
Austria

Scope of supply:
Turbine, generator, hydraulic governor, cooling water system, erection and commissioning

Main data:
Type: RT-26,5 VK3C
Output: 2.576 kW
Head: 5.89 m
Speed: 176 min⁻¹
Year: 2015
Cemel 3
Turkey

Scope of supply:
Turbines, generators, digital and hydraulic governors, speed increasers, electrical equipment, erection and commissioning

Main data:
Type: 2 x P-30,6/K139/3
Output: 2 x 2.591 kW
Head: 6,32 m
Speed: 163 min⁻¹
Year: 2014
Kuttari
Japan

Scope of supply:
Turbine, generator, hydraulic governor

Main data:
Type: 1 x Z-8,5/SR6A
Output: 497 kW
Head: 13,20 m
Speed: 600 min⁻¹
Year: 2013
Tulila Tanzania

Scope of supply:
Turbines, hydraulic governors, erection and commissioning

Main data:
Type: 2 x Z-16,0/SR6A
Output: 2 x 2.581 kW
Head: 21,70 m
Speed: 375 min⁻¹
Year: 2013
Zeliezovce
Slovakia

Scope of supply:
Turbines, generators, digital and hydraulic governors, electrical equipment, erection and commissioning

Main data:
Type: 2 x RT-20,9/VK3C
Output: 2 x 1.540 kW
Head: 5,75 m
Speed: 231 min⁻¹
Year: 2013
Grafenberg
Austria

Scope of supply:
Turbine, generator, hydraulic governor, erection and commissioning

Main data:
Type: 1 x S-9,0/SR6A
Output: 999 kW
Head: 26,67 m
Speed: 750 min⁻¹
Year: 2013
Kalliokoski
Russia

Scope of supply:
Turbine, hydraulic governor, electrical equipment, erection and commissioning

Main data:
Type: 1 x S-18,0/SR6A
Output: 1.203 kW
Head: 9.00 m
Speed: 231 min\(^{-1}\)
Year: 2013
Tisleifjord
Norway

Scope of supply:
Turbine

Main data:
Type: 1 x S-18,0/SR6A
Output: 1.538 kW
Head: 10.73 m
Speed: 250 min⁻¹
Year: 2013
Pradella
Switzerland

Scope of supply:
Turbines, generators, hydraulic governors, electrical equipment, erection and commissioning

Main data:
Type: 2 x Z-10,0/SR6A
Output: 2 x 448 kW
Head: 10,13 m
Speed: 428 min⁻¹
Year: 2012
Arjeplog
Sweden

Scope of supply:
Turbine, generator, hydraulic governor, erection and commissioning

Main data:
Type: 1 x RT-22,0/VK4A
Output: 633 kW
Head: 2,94 m
Speed: 150 min⁻¹
Year: 2012
Urslwau
Austria

Scope of supply:
Turbine, generator, inlet valve, hydraulic governor, erection and commissioning

Main data:
Type: 1 x S-9,0/SR6A
Output: 1.028 kW
Head: 25,60 m
Speed: 750 min⁻¹
Year: 2012
Hirikoski
Finland

Scope of supply:
Turbine, generator, hydraulic governor, erection and commissioning

Main data:
Type: 1 x AR-13,1/VK4A
Output: 375 kW
Head: 4,20 m
Speed: 275 min⁻¹
Year: 2011
Felsödobsza
Hungary

Scope of supply:
Turbines, generators, hydraulic governors, electrical equipment, erection and commissioning

Main data:
Type: 2 x AR-16,95/VK4A
Output: 2 x 474 kW
Head: 3,75 m
Speed: 200 min⁻¹
Year: 2011
Niklasdorf
Austria

Scope of supply:
Turbine, generator, hydraulic governor, electrical equipment, erection and commissioning

Main data:
Type: 1 x ZE-6,7/EF3
Output: 82 kW
Head: 4,30 m
Speed: 500 - variable min⁻¹
Year: 2011
Stadl Paura
Austria

Scope of supply:
Turbines, generators, cooling water system, erection and commissioning

Main data:
Type: 2 x RT-26,5/VK3C
Output: 2 x 2.004 kW
Head: 4.98 m
Speed: 176 min⁻¹
Year: 2011
Piparan
Sweden

Scope of supply:
Turbine, generator, hydraulic
governor, erection and
commissioning

Main data:
Type: 1 x S-16,0/SR6A
Output: 1.234 kW
Head: 11.50 m
Speed: 300 min⁻¹
Year: 2011
Moulinets Switzerland

Scope of supply:
Turbines, generators, hydraulic governors, erection and commissioning

Main data:
Type: 2 x S-15,0/MR4
Output: 2 x 589 kW
Head: 6.18 m
Speed: 273 min⁻¹
Year: 2011
Cemel 1
Turkey

Scope of supply:
Turbines, generators, speed increasers, digital and hydraulic governors, electrical equipment, erection and commissioning

Main data:
Type: 4 x P-30,6/VK3C
Output: 4 x 3.620 kW
Head: 6,02 m
Speed: 163 min⁻¹
Year: 2011
Hakenkrümme 2
Germany

Scope of supply:
Turbine

Main data:
Type: 1 x Z-9,0/SR6
Output: 609 kW
Head: 15,27 m
Speed: 600 min\(^{-1}\)
Year: 2011
Sarihidir
Turkey

Scope of supply:
Turbines, generators, speed increasers, digital and hydraulic governors, electrical equipment, erection and commissioning

Main data:
Type: 2 x P-30,6/VK3C
Output: 2 x 3.190 kW
Head: 5.51 m
Speed: 151 min⁻¹
Year: 2009
Kissakoski
Finland

Scope of supply:
Turbine, generator, hydraulic governors, erection and commissioning

Main data:
Type: 1 x RT-23,0/VK3C
Output: 1.500 kW
Head: 4,31 m
Speed: 188 min⁻¹
Year: 2010
Lahankoski
Finland

Scope of supply:
Turbine, generator, hydraulic governors, electrical equipment, erection and commissioning

Main data:
Type: 1 x S-11,2/MR4
Output: 535 kW
Head: 10,00 m
Speed: 428 min⁻¹
Year: 2009
Greinsfurth
Austria

Scope of supply:
Turbine, generator, digitaler und hydraulic governor, electrical equipment, erection and commissioning

Main data:
Type: 1 x SZ-10,6/MR4
Output: 519 kW
Head: 7,65 m
Speed: 428 min⁻¹
Year: 2009
Brunnenfeld
Austria

Scope of supply:
Turbine, generator, hydraulic governor, electrical equipment, erection and commissioning

Main data:
Type: 1 x S-11,8/MR4
Output: 321 kW
Head: 5,38 m
Speed: 333 min⁻¹
Year: 2010
Neubrückk
Austria

Scope of supply:
Turbine, generator, hydraulic governor, electrical equipment, erection and commissioning

Main data:
Type: 1 x T-16.0/MR4
Output: 1.164 kW
Head: 8.71 m
Speed: 300 min⁻¹
Year: 2009
Praterkraftwerk
Germany

Scope of supply:
Turbine

Main data:
Type: 1 x RT-22,0VK4A
Output: 2.502 kW
Head: 8,07 m
Speed: 210 min⁻¹
Year: 2008
Rendelstein
Italy

Scope of supply:
Turbine, generator, speed increaser, hydraulic governor, electrical equipment

Main data:
Type: 1 x SZ-16,0/SR6A
Output: 1653 kW
Head: 12.25 m
Speed: 305 min⁻¹
Year: 2008
Tielsi
Estonia

Scope of supply:
Turbine, asynchronous generator, hydraulic governor, erection and commissioning

Main data:
Type: 1 x ZE-6,7/EF3
Output: 75 kW
Head: 4,50 m
Speed: 510 min⁻¹
Year: 2008
Scope of supply:
Turbines, generators, hydraulic governors, erection and commissioning

Main data:
Type: 2 x P-14,90/VK4A
Output: 2 x 674 kW
Head: 5,05 m
Speed: 250 min⁻¹
Year: 2009
Vorsterbach
Austria

Scope of supply:
Turbine, generator, hydraulic governor, erection and commissioning

Main data:
Type: 1 x S-10,6/SR6A
Output: 780 kW
Head: 13,70 m
Speed: 500 min⁻¹
Year: 2010
Scope of supply:
Turbines, generators, hydraulic governors, erection and commissioning

Main data:
Type: 2 x S-17,0/MR4
Output: 2 x 990 kW
Head: 7.68 m
Speed: 273 min⁻¹
Year: 2008
Horb
Germany

Scope of supply:
Turbine

Main data:
Type: 1 x AR-16,5/MR3A
Output: 400 kW
Head: 3,42 m
Speed: 214 min\(^{-1}\)
Year: 2009
Scope of supply:
Turbine, generator, hydraulic governor, erection and commissioning

Main data:
Type: 1 x S-17,0/MR4
Output: 859 kW
Head: 6.47 m
Speed: 250 min⁻¹
Year: 2008
Lernbo Sweden

Scope of supply:
Turbines, generators, hydraulic governors, erection and commissioning

Main data:
Type: 2 x S-17,0/SR6A
Output: 2 x 3.640 kW
Head: 27,00 m
Speed: 428 min⁻¹
Year: 2007
Gölova
Turkey

Scope of supply:
Turbine, generator, digital and hydraulic governor, erection and commissioning

Main data:
Type: 1 x S-10,6/SR6A
Output: 1,000 kW
Head: 19,00 m
Speed: 500 min⁻¹
Year: 2007
Scope of supply:
Turbine, generator, hydraulic governor, erection and commissioning

Main data:
Type: 1 x AR-16,5/MR3A
Output: 267 kW
Head: 2,99 m
Speed: 195 min⁻¹
Year: 2007
Ludvika Sweden

Scope of supply:
Turbine, generator, hydraulic governor, erection and commissioning

Main data:
Type: 1 x S-21,2/SR6
Output: 3.681 kW
Head: 17,00 m
Speed: 273 min⁻¹
Year: 2006
Yonghung
South Korea

Scope of supply:
Turbines, generators, cooling systems, digital and hydraulic governors, erection and commissioning

Main data:
Type: 3 x P-21,2/MR4
Output: 3 x 1.070 kW
Head: 6,92 m
Speed: 188 min⁻¹
Year: 2006
Kühhörndlwehr
Austria

Scope of supply:
Turbine, generator, inlet valve, hydraulic governor, erection and commissioning

Main data:
Type: 1 x S-12,5/MR4
Output: 664 kW
Head: 8,67 m
Speed: 375 min⁻¹
Year: 2005
Scope of supply:
Turbine, generator, hydraulic governor, erection and commissioning

Main data:
- Type: 1 x AR-11,2/MR4
- Output: 254 kW
- Head: 4.70 m
- Speed: 315 min⁻¹
- Year: 2005
Stiftswerk
Austria

Scope of supply:
Turbine, generator, hydraulic governor, intake structure, erection and commissioning

Main data:
Type: 1 x AR-16,5/MR3
Output: 387 kW
Head: 3.38 m
Speed: 210 min⁻¹
Year: 2005
Chipole
Tanzania

Scope of supply:
Turbine, generator, digital and hydraulic governor, erection and commissioning

Main data:
Type: 1 x S-10,0/SR6
Output: 418 kW
Head: 11.83 m
Speed: 428 min⁻¹
Year: 2002
Dorfmühle
Austria

Scope of supply:
Turbines, generators, hydraulic governors, erection and commissioning

Main data:
Type: 2 x S-19,0/MR4
Output: 2 x 1.338 kW
Head: 7,00 m
Speed: 231 min⁻¹
Year: 2001
Walzwerk Austria

Scope of supply:
Turbine, hydraulic governor, intake structure, erection and commissioning

Main data:
Type: 1 x S-16,0/MR4
Output: 548 kW
Head: 5,16 m
Speed: 250 min⁻¹
Year: 2002
Scope of supply:
Turbines, weir equipment, intake structure, hydraulic governors, erection and commissioning

Main data:
Type: 1 x SZ-12,5/MR4
1 x SZ-8,5/MR4
Output: 1 x 918 kW / 1 x 432 kW
Head: 11,14 m / 11,92 m
Speed: 428 / 600 min⁻¹
Year: 2000
Erlenholz
Switzerland

Scope of supply:
Turbine, generator, digital and
hydraulic governor, erection and
commissioning

Main data:
Type: 1 x S-9,0/SR6
Output: 494 kW
Head: 12,80 m
Speed: 500 min⁻¹
Year: 2002
Strömdalen
Sweden

Scope of supply:
Turbine, generator, electrical equipment

Main data:
Type: VK-18,05/VK4F
Output: 840 kW
Head: 6,40 m
Speed: 231 min-1
Year: 2016
Gaissulz Austria

Scope of supply:
Turbine, hydraulic governor, generator, erection and commissioning

Main data:
Type: VK-16,95 VK5E
Output: 1.193 kW
Head: 8.44 m
Speed: 250 min⁻¹
Year: 2015
Västerkvarn
Sweden

Scope of supply:
Turbines, generators, hydraulic governors

Main data:
Type: 3 x VK-16,95/VK4B
Output: 3 x 854 kW
Head: 6,44 m
Speed: 250 min-1
Year: 2014
Scope of supply:
Turbines, hydraulic governors

Main data:
Type: 2 x VK-25,5/VK5
Output: 2 x 3.947 kW
Head: 12.33 m
Speed: 200 min⁻¹
Year: 2014
Grödig
Austria

Scope of supply:
Turbine, generator, hydraulic governor, electrical equipment, erection and commissioning

Main data:
Type: 1 x VK-12,3/VK4B
Output: 201 kW
Head: 4.15 m
Speed: 273 min⁻¹
Year: 2015
Mösslacher Austria

Scope of supply:
Turbine, generator, hydraulic governor, belt drive, erection and commissioning

Main data:
Type: 1 x VK-7,4/VK4B
Output: 45 kW
Head: 2,93 m
Speed: 375 min⁻¹
Year: 2014
Scope of supply:
Turbine, generator, hydraulic governor, belt drive, electrical equipment, erection and commissioning

Main data:
Type: 1 x VK-15,9/VK4B
Output: 276 kW
Head: 3,50 m
Speed: 190 min⁻¹
Year: 2014
Psytalia
Greece

Scope of supply:
Turbine, generator, digital and hydraulic governors, electrical equipment, erection and commissioning

Main data:
Type: 1 x VK-15,9/VK4B
Output: 489 kW
Head: 5,45 m
Speed: 250 min\(^{-1}\)
Year: 2014
Scope of supply:
Turbine

Main data:
Type: 1 x VK-15,9/VK5E
Output: 687 kW
Head: 6,90 m
Speed: 231 min⁻¹
Year: 2013
Mittweida T1 + T2
Germany

Scope of supply:
Turbines

Main data:
Type: 1 x VK-20,9/VK4B
1 x VK-14,9/VK4B
Output: 646 kW / 306 kW
Head: 4,28 m / 4,28 m
Speed: 166,67 min⁻¹
230,76 min⁻¹
Year: 2012
Opponitz
Austria

Scope of supply:
Turbine, hydraulic governor, belt drive, generator, erection and commissioning

Main data:
Type: 1 x VK-9,55/VK4
Output: 186 kW
Head: 5,50 m
Speed: 415 min⁻¹
Year: 2013
Poettinger
Germany

Scope of supply:
Turbine, hydraulic governor, belt drive, generator, electrical equipment, erection and commissioning

Main data:
Type: 1 x VK-10,85/VK4
Output: 117 kW
Head: 3,36 m
Speed: 265 min⁻¹
Year: 2013
Gartenau
Germany

Scope of supply:
Turbine, hydraulic governor, belt drive, erection and commissioning

Main data:
Type: 1 x VK-14,0/VK5E
Output: 946 kW
Head: 10,54 m
Speed: 333 min⁻¹
Year: 2011
Verla Finland

Scope of supply:
Turbine, generator, hydraulic governors, electrical equipment, erection and commissioning

Main data:
Type: 1 x VK-23,7/VK4B
Output: 1,540 kW
Head: 6,20 m
Speed: 187,5 min⁻¹
Year: 2012
Scope of supply:
Turbine, generator, hydraulic governor, erection and commissioning

Main data:
Type: 1 x VK-14,0/VK4B
Output: 205 kW
Head: 3,30 m
Speed: 214,30 min⁻¹
Year: 2010
Stadtbach Germany

Scope of supply:
Turbines

Main data:
Type: 2 x VK-15,9/VK4B
Output: 2 x 285 kW
Head: 3,61 m
Speed: 200 min⁻¹
Year: 2010
Proviantbach
Germany

Scope of supply:
Turbine

Main data:
Type: 1 x VK-23,0/VK4B
Output: 758 kW
Head: 4.69 m
Speed: 157.8 min⁻¹
Year: 2010
Kemnade
Germany

Scope of supply:
Turbine

Main data:
Type: 1 x VK-30,6/VK4B
Output: 726 kW
Head: 2,40 m
Speed: 91 min⁻¹
Year: 2009
Scope of supply:
Turbine, generator, inlet valve, hydraulic governor, erection and commissioning

Main data:
Type: 1 x VKS-12,5/SK5
Output: 1.866 kW
Head: 25.70 m
Speed: 500 min⁻¹
Year: 2009
Auslauf turbine Austria

Scope of supply:
Turbine, generator, speed increaser, hydraulic governor, erection and commissioning

Main data:
Type: 1 x VK-14,5/SK4B
Output: 384 kW
Head: 5,70 m
Speed: 220 min⁻¹
Year: 2008
Villa d’Alme
Italy

Scope of supply:
Turbine, asynchronous generator, intake gate, hydraulic governor, electrical equipment, erection and commissioning

Main data:
Type: 1 x VK-18,0/SK4A
Output: 1.020 kW
Head: 7,16 m
Speed: 231 min⁻¹
Year: 2007
Isarwerk 2
Germany

Scope of supply:
Turbines, generator, hydraulic governor, electrical equipment, erection and commissioning

Main data:
Type: 4 x VK-20,0/SK4
Output: 4 x 579 kW
Head: 4,31 m
Speed: 157 min⁻¹
Year: 2008
Tirino Inferiore
Italy

Scope of supply:
Turbine, generator, hydraulic governor, electrical equipment, erection and commissioning

Main data:
Type: 1 x VK-11,2/SK5
Output: 1.205 kW
Head: 22,40 m
Speed: 500 min⁻¹
Year: 2006
St. Aegyd
Austria

Scope of supply:
Turbine, generator, speed increasers, intake structure, hydraulic governor, erection and commissioning

Main data:
Type: 1 x VK-7,4/KR4
Output: 50 kW
Head: 3,47 m
Speed: 400 min⁻¹
Year: 2006
Mühlatalwehr
Austria

Scope of supply:
Turbine, generator, speed increaser, hydraulic governor, erection and commissioning

Main data:
Type: 1 x VK-19,0/SK4A
Output: 630 kW
Head: 4,75 m
Speed: 175 min⁻¹
Year: 2005
Loferbach
Austria

Scope of supply:
Turbine, intake gate, hydraulic governor, erection and commissioning

Main data:
Type: 1 x VK-11,5/KR4
Output: 197 kW
Head: 4,55 m
Speed: 285 min⁻¹
Year: 2003
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