

# References List **Vegeta**

## Immersed Transformer – Vegetable Oil



**Vegeta & Vegeta *wind***  
 50 kVA to 25 MVA  
 Insulation voltage up to 36kV



### ...Constraints and specific features

- Environment-friendly
- Reinforced fire resistance
- Cost optimisation
- Compactness

### ...Product features

- Dielectric liquid: biodegradable Natural Ester (99,9% in 43 days)
- Reinforced fire resistance (class K dielectric liquid – Fire point > 300°C)
- Optimised potential power (compatibility of the dielectric liquid with class B temperature rise)
- Vegeta *wind* series specially designed for Wind Energy market

### ...And don't forget

<b>Standard features</b>	<ul style="list-style-type: none"> <li>▪ Power generation from 50 kVA to 25 MVA</li> <li>▪ Filled with Natural Ester oil</li> <li>▪ Hermetically sealed, fully filled or Breathing type (conservator with Atmoséal)</li> <li>▪ High voltage insulation up to 36kV (max. 72,5kV on request)</li> <li>▪ Cooling type: KNAN (future KNAF, KNAF or other types are available on request)</li> <li>▪ Loss control according to CC', BA' or NFC</li> <li>▪ Compliance with IEC 60076, HD 428.1 .S1 (and other standards)</li> </ul>	<ul style="list-style-type: none"> <li>▪ High voltage junction of the plug-in terminal type (porcelain terminals available on request)</li> <li>▪ Low voltage bushing junctions of the porcelain bushing or busbar type (≥ 250 kVA)</li> <li>▪ 4 bi-directional rollers, 2 lifting lugs, 1 earthing terminal (M12), 1 filing plug, 1 draining device, 1 rating plate, 1 test report</li> <li>▪ Colour: RAL7033 (others available on request)</li> </ul>
<b>Recommended features</b>	<ul style="list-style-type: none"> <li>▪ Protection relay DMCR or DGPT2 type (according to EN 50216-3)</li> </ul>	
<b>Optional features</b>	<ul style="list-style-type: none"> <li>▪ Pressure relief valve, thermostat, thermometer (with or without contact)</li> <li>▪ High and/or low voltage cable box</li> </ul>	<ul style="list-style-type: none"> <li>▪ Reinforced anticorrosion protection (1440h – C5I or C5M)</li> </ul>

You will find our recommendations in brochures "IEC CC' GEf 62a" & "UTE NF Ff 62a"



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Among our references



Country	Clients / Projects	Equipments	Year
France	SNCF	<b>2 Vegeta – Ground Mounted Transformer</b> 50 kVA – 26 kV / 230 V – Step down Power supply of LV sub-stations	2006
France	SNCF	<b>2 Vegeta – Pole Mounted Transformer</b> 50 kVA – 26 kV / 230 V – Step down Power supply of LV sub-stations	2006
France	URM Metz Power Plant	<b>1 Vegeta – Ground Mounted Transformer</b> 630 kVA – 17.5 kV / 410 V – Step down Noise reduced transformer	2006
Ireland	SCHNEIDER IRELAND	<b>1 Vegeta – Ground Mounted Transformer</b> 1600 kVA – Double HV 21.5-10.75 kV / 423 V Step down	2007
Ireland	SCHNEIDER IRELAND	<b>1 Vegeta – Ground Mounted Transformer</b> 2500 kVA – 21.98 kV / 400 V – Step up	2007
Ireland	SCHNEIDER IRELAND	<b>1 Vegeta – Ground Mounted Transformer</b> 1250 kVA – Double HV 21.5-10.75 kV / 423 V Step down	2007
Ireland	SCHNEIDER IRELAND	<b>1 Vegeta – Ground Mounted Transformer</b> 1000 kVA – Double HV 21.5-10.75 kV / 423 V Step down	2007
Belgium	BELLOY EN ZONEN Anvers Museum	<b>2 Vegeta – Ground Mounted Transformer</b> 1000 kVA – 15 kV / 400 V – Step down	2007
Belgium	CALLEWAERT	<b>1 Vegeta – Ground Mounted Transformer</b> 630 kVA – 10 kV / Double LV 400-231 V Step down	2007
Belgium	DEBA NV	<b>1 Vegeta – Ground Mounted Transformer</b> 250 kVA – 10 kV / 400 V – Step down	2007
Belgium	VERHULST	<b>1 Vegeta – Ground Mounted Transformer</b> 400 kVA – 11.5 kV / 400 V – Step down	2007



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Country	Clients / Projects	Equipments	Year
Belgium	VERHULST	<b>1 Vegeta – Ground Mounted Transformer</b> 400 kVA – 11.5 kV / 400 V – Step down	2007
Belgium	LEMAIRE SPRL TECHNO-SPACE AERO	<b>2 Vegeta – Ground Mounted Transformer</b> 1250 kVA – 15.4 kV / 400 V – Step down	2007
Belgium	ELECTRO Company	<b>2 Vegeta – Ground Mounted Transformer</b> 630 kVA – 10.6 kV / 400 V – Step down <b>3 Vegeta – Ground Mounted Transformer</b> 630 kVA – 10.6 kV / 400 V – Step down	2007
Belgium	TASIAUX	<b>1 Vegeta – Ground Mounted Transformer</b> 800 kVA – 10.5 kV / 400 V – Step down	2007
Belgium	SORETI ENG SCRL CHU Brugmann	<b>2 Vegeta – Ground Mounted Transformer</b> 1250 kVA – 11 kV / 400 V – Step down	2007
Belgium	VMA	<b>1 Vegeta – Ground Mounted Transformer</b> 630 kVA – 10 kV / 400 V – Step down	2007
Belgium	TEVEAN NV / VRIESLOODS	<b>2 Vegeta – Ground Mounted Transformer</b> 1600 kVA – 15 kV / 400 V – Step down	2007
Belgium	LIMEC NV	<b>1 Vegeta – Ground Mounted Transformer</b> 250 kVA – 10.5 kV / 400 V – Step down	2007
Belgium	NIZET Company	<b>1 Vegeta – Ground Mounted Transformer</b> 800 kVA – 15.4 kV / 400 V – Step down	2007
Slovenia	SCHNEIDER SLOVENIA	<b>1 Vegeta – Ground Mounted Transformer</b> 1000 kVA – Double HV 21-10.5 kV / 420 V Step down	2007
Slovenia	SCHNEIDER SLOVENIA	<b>1 Vegeta – Ground Mounted Transformer</b> 630 kVA – Double HV 21-10.5 kV / 420 V Step down	2007



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Country	Clients / Projects	Equipments	Year
Spain	CARELEC	<b>1 Vegeta – Ground Mounted Transformer</b> 3150 kVA – 15 kV / 690 V – Step down	2007
France	HÔPITAL DE LARAGNE	<b>1 Vegeta – Ground Mounted Transformer</b> 160 kVA – 20 kV / 410 V – Step down	2008
Belgium	ELECTRO Company AZ GROENINGE	<b>1 Vegeta – Ground Mounted Transformer</b> 400 kVA – 10.6 kV / 400 V – Step down	2008
Belgium	ELECTRO Company	<b>4 Vegeta – Ground Mounted Transformer</b> 800 kVA – 10.6 kV / 400 V – Step down	2008
Belgium	ELECTRO Company	<b>1 Vegeta – Ground Mounted Transformer</b> 1600 kVA – 10.6 kV / 400 V – Step down	2008
Belgium	ELECTRO Company	<b>2 Vegeta – Ground Mounted Transformer</b> 630 kVA – 10.6 kV / 400 V – Step down	2008
Belgium	ELECTRO Company	<b>5 Vegeta – Ground Mounted Transformer</b> 630 kVA – 10.6 kV / 400 V – Step down	2008
Spain	LOPEZ BAENA	<b>1 Vegeta – Ground Mounted Transformer</b> 3150 kVA – 15 kV / 690 V – Step down	2008
France / China	NFM Technology	<b>1 Vegeta – Ground Mounted Transformer</b> 2000 kVA – 10 kV / 400 V – Step down	2008
Belgium	SORETI ENG SCRL	<b>1 Vegeta – Ground Mounted Transformer</b> 630 kVA – 15.4 kV / 400 V – Step down	2008
France	ARCELOR MITTAL Steel works of Florange	<b>1 Vegeta – Ground Mounted Transformer</b> 1000 kVA – 13.8 kV / 410 V – Step down	2008
Ireland	SCHNEIDER IRLAND	<b>1 Vegeta – Ground Mounted Transformer</b> 1250 kVA – Double HV 21.5-10.75 kV / 423 V Step down	2008



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Country	Clients / Projects	Equipments	Year
Spain	UTE IDAM TORREVIEJA Seawater desalination plant of Torrevieja	<b>1 Vegeta – Ground Mounted Transformer</b> 25000 kVA – 20 kV / 6300 V – Step down	2008
		<b>2 Vegeta – Ground Mounted Transformer</b> 10000 kVA – 20 kV / 6300 V – Step down	
		<b>4 Vegeta Ground Mounted Transformer</b> 7000 kVA – 20 kV / 725 V – Step down	
		<b>4 Vegeta Ground Mounted Transformer</b> 5000 kVA – 20 kV / 725 V – Step down	
		<b>2 Vegeta – Ground Mounted Transformer</b> 3500 kVA – 20 kV / 725 V – Step down	
		<b>2 Vegeta – Ground Mounted Transformer</b> 2000 kVA – 20 kV / 420 V – Step down	
France	EDF – R&D Water pumping station of Renardières site	<b>2 Vegeta – Ground Mounted Transformer</b> 1600 kVA – 20 kV / 410 V – Step down	2008
		<b>4 Vegeta – Ground Mounted Transformer</b> 1250 kVA – 20 kV / 420 V – Step down	
Belgium	ELECTRO-ENTREPRISE NV	<b>1 Vegeta – Ground Mounted Transformer</b> 800 kVA – 10.6 kV / 400 V – Step down	2008
France	SAPEM Wind turbine - BRASIL	<b>1 Vegeta – Ground Mounted Transformer</b> 750 kVA – 13.8 kV / 380 V – Step down	2008
		<b>3 Vegeta – Ground Mounted Transformer</b> 500 kVA – 13.8 kV / 380 V – Step down	
Spain	SCHNEIDER SPAIN	<b>1 Vegeta – Ground Mounted Transformer</b> 8000 kVA – 30 kV / 6000 V – Step down	2008



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<b>Saudi Arabia</b>	SAUDI OGER Saudi Royal Palace	<b>14 Vegeta – Ground Mounted Transformer</b> 1600 kVA – 13.8 kV / 400 V – Step down <b>2 Vegeta – Ground Mounted Transformer</b> 800 kVA – 13.8 kV / 400 V – Step down	2008
<b>Belgium</b>	VERHULST	<b>3 Vegeta – Ground Mounted Transformer</b> 800 kVA – 11.5 V / 400 V – Step down	2008
<b>France</b>	ARCELOR Steel works of Fos-sur-Mer	<b>2 Vegeta – Ground Mounted Transformer</b> 160 kVA – 15 V / 136 V – Step down	2008
<b>Czech Republic</b>	VEOLIA	<b>1 Vegeta – Ground Mounted Transformer</b> 100 kVA – 35 kV / 400 V – Step down	2008
<b>Belgium</b>	NIZET Residence LEOPOLD - Brussels	<b>2 Vegeta – Ground Mounted Transformer</b> 630 kVA – 11 kV / 400 V – Step down	2008
<b>Irlande</b>	SCHNEIDER IRLAND	<b>1 Vegeta – Ground Mounted Transformer</b> 6750 kVA – 21.98 kV / 6300 V – Step up	2008
<b>France</b>	ARCELOR MITTAL Steel works of Florange	<b>4 Vegeta – Ground Mounted Transformer</b> 2500 kVA – 13.8 kV / 410 V – Step down	2008
<b>France</b>	ACTEMIUM Compagnie Générale des Eaux	<b>3 Vegeta – Ground Mounted Transformer</b> 3150 kVA – 20 kV / 410 V – Step down	2008
<b>Belgium</b>	DEBA NV	<b>1 Vegeta – Ground Mounted Transformer</b> 250 kVA - 15 kV / 400 V – Step down	2008
<b>Schweiz</b>	SCHNEIDER SCHWEIZ	<b>1 Vegeta – Ground Mounted Transformer</b> 630 kVA – 16,8 kV / 420 V – Step down	2008
<b>France</b>	CEAT	<b>1 Vegeta – Ground Mounted Transformer</b> 100 kVA – 20 kV / 410 V – Step down	2009
<b>Dubai</b>	ADMA OPCO	<b>1 Vegeta – Power transformer</b> 16 MVA – 11 kV / 6,9 V – Step down	2009
<b>Schweiz</b>	SCHNEIDER SCHWEIZ	<b>1 Vegeta – Ground Mounted Transformer</b> 1000 kVA – 16,8 kV / 420 V – Step down	2009



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<b>France</b>	CEAT	<b>1 Vegeta – Homopolar generator</b> 20 kVA / 231 V – Step down  <b>1 Vegeta – Ground Mounted</b> 250 kVA - 20 kV / 410 V – Step down	2009
<b>France</b>	CTP	<b>1 Vegeta – Ground Mounted</b> 250 kVA – 20 kV / 410 V – Step down	2009
<b>Belgium</b>	LEMAIRE SPRL	<b>1 Vegeta – Ground Mounted</b> 1250 kVA – 15375 V / 400 V – Step down	2009
<b>France</b>	EPSYS	<b>2 Vegeta – Ground Mounted</b> 1000 kVA – 20 kV / 410 V – Step down	2009
<b>Saudi Arabia</b>	SAUDI OGER	<b>3 Vegeta – Ground Mounted</b> 1250 kVA – 13,8 kV / 400 V – Step down  <b>4 Vegeta – Ground Mounted</b> 1600 kVA – 13,8 kV / 400 V – Step down	2009
<b>Belgium</b>	DEBA NV	<b>1 Vegeta – Ground Mounted</b> 160 kVA – 11 kV / 400 V – Step down	2009
<b>Greece</b>	Athène subway	<b>2 Vegeta – Power transformer</b> 3,3 MVA – 20 kV / 585 V – Step down  <b>2 Vegeta – Ground Mounted</b> 500 kVA – 13,2 kV / 480 V – Step down  <b>2 Vegeta – Ground Mounted</b> 500 kVA – 23 kV / 480 V – Step down  <b>3 Vegeta – Ground Mounted</b> 750 kVA – 13,2 kV / 480 V – Step down	2009
<b>Mexico</b>	WALLMART MEXICO	<b>3 Vegeta – Ground Mounted</b> 750 kVA – 23 kV / 480 V – Step down  <b>1 Vegeta – Ground Mounted</b> 1000 kVA – 13,2 kV / 480 V – Step down  <b>9 Vegeta – Ground Mounted</b> 1000 kVA – 23 kV / 2400 V – Step down  <b>2 Vegeta – Ground Mounted</b> 1250 kVA – 13,2 kV / 480 V – Step down	2009
<b>Saudi Arabia</b>	ELECTRICAL POWER	<b>1 Vegeta – Ground Mounted</b> 1500 kVA – 13,8 - 15 kV / 400 V – Step down	2009
<b>France</b>	CTP	<b>2 Vegeta – Ground Mounted</b> 630 kVA – 10,3 kV / 410 V – Step down	2009



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