

List of references: tunnels

LISTEC is targeting heat in more than 400 tunnels worldwide!

Germany

Tunnel	Length	Operation
Schönbuchtunnel	2 x 650 m	1992
Dortmund Wambel	2 x 1.630 m	1992
A44 Düsseldorf	2 x 1.050 m	1992
Reichswaldallee	2 x 720 m	1993
Fahrlachtunnel	2 x 480 m	1994
B61n Bielefeld	1.000 m	1994
Arnsberg	350 m	1995
Bad Abbach	600 m	1995
B295 Feuerbach	1.100 m	1995
Tunnel Eching	2 x 380 m	1995
Hausachtunnel	1.100 m	1995
Lämmerbuckel	600 m	1996
Bürgerwaldtunnel	1.400 m	1997
Pellinger Berg	2 x 600 m	1997
Gernsbachtunnel	1.500 m	1997
Burgbergtunnel	540 m	1997
Agnesbergtunnel	2 x 700 m	1997
Tunnel Fellbach	840 m	1997
Tunnel Etterschlag	2 x 480 m	1998
Tunnel Oerlinghausen	460 m	1998
Tunnel Behringen	2 x 430 m	1998
Allacher Tunnel	2 x 1.040 m	1998
Tunnel Hemberg	2 x 400 m	1999
Kiesbergtunnel	2 x 860 m	1999
Tunnel Olpe	2 x 500 m	1999
Königshainer Berge	2 x 2.300 m	1999
Engelbergtunnel	2 x 2.500 m	1999
Tunnel Bonn	2 x 2.240 m	1999
Tunnel Vaihingen	1.400 m	1999
Josef-Deimer-Tunnel, Landshut	1.500 m	1999
Grenztunnel Füssen	1.300 m	1999
Riedbergtunnel	790 m	1999
Tunnel Grötzingen	880 m	1999
Pfaffensteintunnel	2 x 860 m	1999
Tunnel Farchant	2 x 2.300 m	2000
Tunnel West Regensburg	2 x 670 m	2000
Wiener Platz, Dresden	850 m	2000
Schloßbergtunnel Heidelberg	900 m	2000
Elbtunnel	4 x 2.900 m	2001
Rombachtunnel	1.100 m	2001

Germany

Tunnel	Length	Operation
Riedleparktunnel, Friedrichshafen	400 m	2001
Tunnel Velbert	2 x 1.000 m	2002
Petuelntunnel, München	2 x 2.000 m	2002
Tunnel Birth	2 x 800 m	2002
Tunnel Wersten	2 x 850 m	2002
Tunnel Döggingen	2 x 1.100 m	2002
Tunnel Berg Bock	2 x 2.750 m	2002
Tunnel Alte Burg	2 x 870 m	2003
Tunnel Warnow	2 x 800 m	2003
Wesertunnel	2 x 1.640 m	2003
Tunnel Wolmirstedt	2 x 90 m	2003
Tunnel Ursulaberg	1.180 m	2003
Tunnel Hemelingen	570 m	2003
Tunnel Beuren	400 m	2004
Hirschhorntunnel	2 x 350 m	2004
Tunnel Schleifenstraße	450 m	2004



Tunnel Schleifenstrasse, Augsburg

Tunnel Dölzchen	2 x 1.090 m	2004
Tunnel Schwarzer Berg	720 m	2004
Tunnel Coschütz	2 x 2.300 m	2004
Tunnel Altfranken	2 x 350 m	2004
Tunnel Hösbach West	2 x 1.380 m	2004
Tunnel Hösbach East	2 x 720 m	2004
Herrentunnel	2 x 860 m	2005
Candidtunnel	2 x 250 m	2005

Germany

Tunnel	Length	Operation
Brudermühltunnel	2 x 830 m	2005
Tunnel Hopfenberg	2 x 550 m	2005
Eichelbergtunnel	2 x 2.150 m	2005
Nollinger Berg	2 x 1.230 m	2005
Mühlbergtunnel	750 m	2005
Tunnel West Bocholt	270 m	2006
Tunnel Aubing	2 x 1.920 m	2006
Pragsattel	2 x 760 m	2006
Kappelbergtunnel	2 x 1.550 m	2006
Wendelbergtunnel	480 m	2006
Malbergtunnel	1.520 m	2006
Heidkopftunnel	2 x 1.600 m	2006



Heidkopftunnel, Göttingen-Halle

Hestenbergtunnel	720 m	2006
Lohbergtunnel Nieder-Ramstadt	1.080 m	2007
Schlossbergtunnel Dillenburg	770 m	2007
Schottenbergtunnel Meißen	700 m	2007
Tunnel Gevelsberg	530 m	2007
Rheinallee Tunnel Düsseldorf	2 x 650 m	2007
Tunnel Zwickau	2 x 370 m	2007
Tunnel Wilhelminenstraße	2 x 625 m	2007
Emstunnel	2 x 1.000 m	2007
Theatertunnel Frankfurt	400 m	2008
Lehertaltunnel	2 x 400 m	2008
Richard-Strauss-Tunnel, Munich	2 x 2.000 m	2008
Tunnel Leuchtenbergring, Munich	2 x 160 m	2008
Effnertunnel, Munich	2 x 100 m	2008
Tunnel Innsbrucker Ring, Munich	2 x 220 m	2008
Tunnel Rastatt	1.020 m	2009
Saukopftunnel	2.700 m	2009
Grotztunnel	650 m	2009

Germany

Tunnel	Length	Operation
Tunnel Höllberg	2 x 850 m	2009
Ruhrschnellweg Essen	2 x 1.175 m	2010



RSW Tunnel, Essen

Hörnchenbergtunnel	2 x 500 m	2010
Westring Ulm	386 m	2010
Tunnel Bovenden	400 m	2010
Tunnel Kreuzstrasse Tuttlingen	950 m	2010
Tunnel Heschlach	2.300 m	2011
Tunnel Deschlberg	740 m	2011
Tunnel Wimpassing	2 x 460 m	2012
Heidbergtunnel	2 x 380 m	2012
Tunnel Lindenberg	700 m	2012
Kolbentunnel	105 m	2012
Osterbichtunnel	2 x 278 m	2012



Richard-Strauss-Tunnel, Munich

Austria

Tunnel	Length	Operation
Selzthaltunnel	1.020 m	1989
Roppener Tunnel	5.100 m	1990
Langener Tunnel	2 x 2.400 m	1991
Voitsberg Tunnel	800 m	1991
Pretallerkogel	2 x 550 m	1992
Tunnel Wald	2 x 2.800 m	1992
Achbergertunnel	1 x 1.480 m	1993
Lärchbergertunnel	1.900 m	1994
Falkenbergertunnel	2 x 1.120 m	1995
Lendorfertunnel	2 x 800 m	1995
Ehrentalerberg	2 x 3.350 m	1995
Schmittentunnel	6.600 m	1996
A22 Donaacity, Vienna	6.800 m	1996
Passürtunnel	1.800 m	1996
Schönbergertunnel	3.000 m	1999
Selzthaltunnel, 2.nd tube	940 m	2000
Tunnel Landeck	6.900 m	2000
Tunnel Lieferung	500 m	2000
Kaiserparkertunnel	800 m	2000
Felbertauerntunnel	5.200 m	2001
Klammtunnel	1.600 m	2001
Tunnel Lermoos	3.300 m	2002
Pfändertunnel	6.700 m	2002
Tunnel Hallstatt	2 x 600 m	2003
Tunnel Spital	2 x 2.600 m	2003
Losensteintunnel	600 m	2003
Falkensteintunnel	780 m	2003
Gräberntunnel	2 x 1.100 m	2003
Tunnel Neumarkt	1.300 m	2003
Springertunnel	2.850 m	2003
Kienbergertunnel	2 x 1.440 m	2003



Kienbergertunnel

Klauser Tunnel	2.180 m	2003
Hungerbichtunnel	2 x 510 m	2003
Tunnel Steinhaus	2 x 2.500 m	2003

Austria

Tunnel	Length	Operation
Mona-Lisa-Tunnel	430 m	2003
Tunnel Noitzmühle	2 x 1.600 m	2003
Tunnel Ottsdorf	2 x 1.920 m	2004
Tunnel Oswaldiberg	2 x 4.300 m	2004
Kremsursprungertunnel	2 x 900 m	2004
Loibitunnel (A)	880 m	2004
Kienbergwandertunnel	1.160 m	2004
Tunnel Mixnitz	660 m	2005
Tunnel St. Georgen	190 m	2005
Ofenauerertunnel	2 x 1.330 m	2005
Hieflertunnel	2 x 1.950 m	2005
Tunnel Enns	180 m	2006
Festungsbergertunnel	510 m	2006
Tunnel St. Niklas	2 x 700 m	2006
Tunnel Vösendorf	2 x 800 m	2006
Tunnel Rannersdorf	2 x 2.100 m	2006
Bindermichtunnel	2 x 1.155 m	2006
Tunnel Niedernhart	2 x 600 m	2006



Tunnel Niedernhart

Tunnel Rannersdorf	2 x 820 m	2006
Tunnel Vösendorf	2 x 1.880 m	2006
Tunnel Trebesing	2 x 840 m	2007
Citytunnel Bregenz	1.300 m	2007
Tunnel Grünburg	1.150 m	2008
Tunnel Mils	2 x 1.850 m	2008
Tunnel Pians	2 x 1.550 m	2008
Tunnel Flirsch	2 x 760 m	2008
Tanzenberg Tunnel	2 x 2.500 m	2009
Lilienberg Tunnel	2 x 750 m	2010
Tunnel Neubau	2 x 330 m	2010
Grünbrücke Metz	190 m	2010

Switzerland

Tunnel	Length	Operation
J10 La Clusette	1 x 1.100 m	1993
Traversée de Neuchâtel	2 x 5.450 m	1993
J20 Boudevilliers	2 x 550 m	1994
J20 Malvilliers	2 x 370 m	1994
J20 Les Hauts Geneveys	1.250 m	1994
J20 Mont Sagne	1.600 m	1994
J20 Vue des Alpes	3.250 m	1994
N16 Métairie de Nideau	2 x 560 m	1995
N16 La Heutte	2 x 320 m	1995
Traversée de N'tel II	2 x 1.650 m	1995
Vispéral	2 x 1.630 m	1996
Gstaad	420 m	1997
Cheseaux	2 x 300 m	1998
Tunnel Urten	350 m	1999
Tunnel Sierre	2 x 2.500 m	1999



Tunnel Sierre

Tunnel Linterfluh	640 m	1999
Galleria Bisone	2 x 550 m	1999
Schänzlitunnel	1.000 m	1999
Gorges de Seyon	1.050 m	2000
Tunnel Chèvres	2 x 380 m	2000
Tunnel Palets	2 x 480 m	2000
Tunnel Vernier	2 x 1.880 m	2000
Tunnel Confignon	2 x 1.390 m	2000
Pieterlentunnel	2 x 1.500 m	2000

Switzerland

Tunnel	Length	Operation
Tunnel Gentilino	2 x 600 m	2001
Entlisbergtunnel	2 x 600 m	2001
Tunnel Gamsen	2 x 1.050 m	2002
Tunnel Mitholz	630 m	2002
Palexpo Genf	2 x 1.000 m	2002
Tunnel Collombey	2 x 610 m	2003
Tunnel Simmesfluh	700 m	2003
Tranchée couverte d'Areuse	2 x 500 m	2003
Tunnel St-Maurice	2 x 1.200 m	2003
N5 / N16 Tunnel	1.000 m	2003
Tunnel de la Beuchille	2 x 900 m	2004
Tunnel Hubil	1.000 m	2004
Tunnel Perche	2 x 1.050 m	2004
Tunnel Banne	2 x 1.070 m	2004
Tunnel Chanélaz	2 x 700 m	2005
Tunnel de Ferney	2 x 850 m	2007
Tunnel Stäggitschugge	2 x 1.350 m	2008
Tunnel Gumefens	2 x 480 m	2008
Tunnel Corcelles	560 m	2008
Tunnel Arzelier	2 x 380 m	2008
Rugentunnel	2 x 750 m	2009
Tunnel de Bulle	620 m / 1150m	2009



Tunnel de Bulle

TC de Meyrin	2 x 750 m	2010
Tunnel Neu Bois	2 x 1.000 m	2010
Tunnel Marcolet	700 m	2011
Tunnel Moutiers	2 x 1.200 m	2011
Tunnel de Montaigne	2 x 1000 m	2012

Spain

Tunnel	Length	Operation
Túnel de Vallvidrera	2.500 m	1991
Túnel de Valldoreix	2 x 860 m	1991
Túnel del Cadi	5.200 m	2000
Túnel Airport Madrid	4 x 2.600 m	2002
Túneles de Olot T1	2 x 750 m	2003
Túnel del Bruc	2 x 1.000 m	2003
Túneles de Olot T2	2 x 1.100 m	2003
Túnel de Tiana (B-20)	2 x 900 m	2003
Túnel de Sta. Coloma (B-20)	2 x 660 m	2003
Túnel las Nieves (GC)	400 m	2003
T. de Circonvaleción (GC)	3.000 m	2003
Túneles Arguineguin (GC)	4.800 m	2003
Túnel Rat Penat (C32)	2 x 440 m	2004
Túnel la Ginesta (C-32)	2 x 950 m	2004
T. Peña del Boc (C-32)	2 x 560 m	2004
T. Peña del Llamp (C-32)	2 x 1.140 m	2004
Túnel el Castellot (C-32)	2 x 1.700 m	2004
Túnel el Mirador (C-32)	2 x 275 m	2004
Túnel Quint Mar (C-32)	2 x 150 m	2004
Túnel N-100	2 x 400 m	2004
Túnel la Granja (C-32)	2 x 770 m	2004
Túnel Violi	2 x 280 m	2004
Túnel Pallaresa (B-20)	850 m	2005
Túnel de Prianes	2 x 600 m	2005
Túnel Colera Portbou	500 m	2005
Túnel Obaga Negra	800 m	2005
Túnel Espluvins	900 m	2005
Túnel Aubenc	300 m	2005
Túnel PIO XII	2.000 m	2006
Túnel Amadeu Torner	2 x 350 m	2006
Túnel Vielha	5.230 m	2007
Túnel San Esteve d'en Bas	920 m	2007
Túnel Sa Mola	1.280 m	2007
Túnel Ciudad dep. del Real Madrid	3.420 m	2007
Túnel Puig Reig	2 x 1.000 m	2007
Túneles M30 Madrid	2 x 29.000 m	2007



M30 Madrid

Spain

Tunnel	Length	Operation
Túnel Sta Cruz T1	330 m	2007
Túnel Sta Cruz T2	640 m	2007
Túnel Sta Cruz T4	725 m	2007
Túnel de Marchante	2 x 1.360 m	2007
Túnel El Guincho	800 m	2008



Túnel el Guincho, Tenerife

Túnel de la Cella	520 m	2008
Túnel Puerto de Valencia	2 x 250 m	2008
Túnel Media Fanega	2 x 800 m	2008
Túnel Vola	460 m	2009
Túnel Sala	500 m	2009
Túnel de Bracons	4.500 m	2009
Túnel Cantalobos	2 x 2.150 m	2009
Túnel Calaceite	2 x 380 m	2009
Túnel Gato	2 x 320 m	2009
Túnel Lamiarri	620 m	2009
Túnel La Cerdera	2 x 430 m	2009
Túnel del Fresno	2 x 960 m	2009
Túnel La Portada	480 m	2009
Túnel Parpers	2 x 2.000 m	2009
Túnel Zorroaga	2 x 544 m	2010
Túnel Montan de Tost	616 m	2010
Túnel Olandixo	800 m	2010
Túnel Can Trias	2 x 650 m	2010
Túnel Miravete	2 x 1.100 m	2010
Túnel Despeñaperros	2 x 1.900 m	2011
Túnel La Cantera	245 m / 215 m	2011
Túnel El Corzo	390 m / 140 m	2011
Túnel Montesquiu (C-17)	780 m	2011
Túnel Bellavista (C.17)	520 m	2011
Túnel Torradelles (C.17)	630 m	2011
Túnel Ripoll (C.17)	850 m	2011
Túnel Acceso Hospital Oviedo	2 x 225 m	2011
Túnel Somosierra	2 x 620 m	2012
Túnel Piedras Blancas A-67	2 x 265 m	2012
Túnel Fontfreda C-25	660 m / 741 m	2012
Túnel Joanet C-25	2 x 1.450 m	2012
Túnel Collabos	2 x 1.832 m	2012

Andorra

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Túnel de la Tapia	500 m	2012

France

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Tunnel Courrier, Annecy	900 m	2001
Tunnel Terregaie	2 x 400 m	2001
Tunnel Constans	2 x 400 m	2003
A 86 Paris ,VL1	2 x 7.500 m	2007
Tunnel de la Crête	2 x 360 m	2007
Tunnel Grands Goulets	1.680 m	2008
A 86 Paris, VL2	2 x 6.200 m	2009
Tunnel Bocognano	450 m	2009

Montenegro

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Tunnel Sozina	2 x 2.100 m	2005

Poland

Tunnel Katowice	2 x 700 m	2006
Tunnel Laliki	2 x 670 m	2009

Czech Republic

Radiale, Brno I	480 m	1997
Tunnel Brno II	2 x 570 m	1998

Slovenia

Lublijan Tunnel	480 m	2009
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Italy

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Galleria Musso Dongo	3.630 m	2004



Lundbytunnel, Gothenburg

Luxembourg

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Howald Tunnel	2 x 450 m	2010

The Netherlands

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Vlaketunnel	1.150 m	1992
Margriet Tunnel	2 x 80 m	1994
Tunnel Leiden	800 m	1995
Wijkertunnel	760 m	1995
Schiphol Tunnel	1.600 m	1998

Sweden

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Tunnel Häggvik	2 x 300 m	1998
Klaratunnel, Stockholm	1.850 m	2000
Söderledstunnel	2 x 2.200 m	2000
Södrälänken, Stockholm	2 x 10.000 m	2003
Lundbytunnel	2 x 2.000 m	2005
Skövdetunnel	2 x 320 m	2005
Götatunnel	2 x 3.400 m	2006
Muskötunnel	1 x 1.400 m	2006
Gnistängstunnel	2 x 750 m	2009
Esbotunnel	2 x 200 m	2011
Täbytunnel	280 m	2012

Great Britain

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Lancaster Tunnel	2 x 200m	2006

Ireland

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Dublin Port Tunnel	2 x 4.450 m	2006
Tunnel Limerick	2 x 700 m	2010

Greece

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Tunnel Kalamion	2 x 800 m	2004
Tunnel Egnatia Odos S1	830 m	2004
Tunnel Mesovouniou S2	2 x 500 m	2004
Tunnel Grikas S3	2 x 700 m	2004
Tunnel S10 (Veria)	2 x 2.200 m	2004
Tunnel S13 (Polymilos)	2 x 800 m	2004
Tunnel Anthohoriou	2 x 690 m	2005
Tunnel Dodoni	2 x 3.350 m	2005
Tunnel Kristalopigi	2 x 1.135 m	2007
Tunnel Neoxoriou	2 x 600 m	2007
Tunnel Benetikou	2 x 730 m	2007
Tunnel S8 (Kiloma)	2 x 1.000 m	2009
Tunnel S9 (Karatza)	2 x 700 m	2009
Tunnel Agrias Bolos	580 m	2010

Israel

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Kikar Zahal Jerusalem	700 m	2004
HaAzmaut Hyfa	250 m	2005
Atzmaottunnel	520 m	2006
La Guardia Tunnel	2 x 210 m	2007
Exal Tunnel	2 x 310 m	2008
Tunnel Nili	2 x 750 m	2009
Tunnel Dalya	2 x 320 m	2009



Kikar Zahal , Jerusalem

Turkey

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Gültepe Tunnel	2 x 600 m	1993
Korntepe Tunnel	2 x 1.030 m	1993
Tunnel Adana, P3	2 x 2.820 m	2000
Tunnel Adana, P4	2 x 1.230 m	2000
Bolu Tunnel	2 x 3.000 m	2007



Bolu Tunnel

Egypt

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Tunnel El Azhar	4 x 2.330 m	2001



Tunnel Veria, Greece

Marokko

<u>Tunnel</u>	<u>Length</u>	<u>Operation</u>
Tunnel des Oudayas	974 m	2010

Chile

Tunnel

	Length	Operation
Túnel Montegordo	1.600 m	2009
Túnel Manquehue	2 x 730 m	2009

New Zealand

Tunnel

	Length	Operation
Victoria Park Tunnel	500 m	2011
Terrace Tunnel	400 m	2012
Mt. Victoria Tunnel	400 m	2012

Brazil

Tunnel

	Length	Operation
Ecovias TD1	3.200 m	2002
Ecovias TD2	2.100 m	2002
Ecovias TD3	3.000 m	2002



Ecovias TD1, Brazil

Australia

Tunnel

	Length	Operation
Boggo Road Tunnel	650 m	2009
Harrogate Street Tunnel	220 m	2009
Eastern Busway	350 m	2012
Northern Busway	1.800 m	2012



Bustunnel, Brisbane

Taiwan

Tunnel

	Length	Operation
Nankung Tunnel no 1	2 x 400 m	2000
Nankung Tunnel no 2	2 x 1.030 m	2000
Wonli-Juepin no 4	2 x 1.100 m	2001
Punshan Tunnel	2 x 3.900 m	2002
Wonli-Juepin no 1	2 x 1.330 m	2003
Wonli-Juepin no 3	1.300 m	2003
Meulitunnel	800 m	2005
Wonli-Juepin no 2	2 x 700 m	2006
Taipei Tunnel,	1.100 m	2006
Keelong no 2	635 m	2010

Japan

Yoka Tunnel	2.980 m	2012
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Woomyunsan Tunnel

South Korea

Tunnel

	Length	Operation
Soojungsan Tunnel	2 x 2.600 m	2002
Woomyunsan Tunnel	2 x 1.930 m	2003
Kyung Ju Tunnel	2 x 2.040 m	2004
Sang-Do Tunnel	2 x 550 m	2006
Motjae Tunnel	2 x 1.330 m	2007
Marae Tunnel	2 x 1.400 m	2008
Baekyangsan Tunnel	2 x 2.530 m	2008
Basali Tunnel	1.000 m	2008
Daboo Tunnel	2 x 1.080 m	2008
Giheyung Tunnel	2 x 2.700 m	2009
Donggang Tunnel	800 m	2009
Hwangmaesan Tunnel	980 m	2009
Hwangryeongsan Tunnel	2 x 1.860 m	2009
Ga-Duk Tunnel	2.800 m	2010
Soon San Tunnel	4 x 650 m	2010
Chimnae Tunnel	3 x 3.584 m	2010
Soju Tunnel	760 m	2011
Baehooryoug Tunnel	5.116 m	2011
Namsan 3 Tunnel	2 x 1.270 m	2011
Deulipjae Tunnel	1.030 m	2011
Surarijae Tunnel	925 m	2012
Ungdong Tunnel	2 x 2.170 m	2012
Jangyoo Tunnel	2 x 1.300 m	2012
Namsan 1 Tunnel	2 x 1.530 m	2012