



# PROFILE

# 1

TRANSCON ELECTRONIC SYSTEMS is a private independent company established in 1990. We provide custom turn-key solutions for aerodrome and heliport lighting systems with all required hardware and software, as well as power supply and monitoring systems, customized mobile and stationary airports and heliports in standard container modules, complete modular solutions for small regional airports etc.

TRANSCON company has its own highly skilled group of professional hardware and software developers, own production workshops, prototyping labs, optical lab, service department etc. Our development, production and services are certified in accordance with standard quality control systems ISO 9001, ISO 14001 and ISO 45001.

TRANSCON company provides non-stop customer service for all installed equipment worldwide, as well as on-line support service for its software solutions. Our customers' operators and service staff can be trained and officially certified in our specially equipped Training center in Czech Republic.

Custom turn-key solutions supplied by TRANSCON are highly modular, which makes their everyday usage, operation, servicing and future upgrades very easy and comfortable. As a part of our solutions we offer also a technical inspection and assessment of existing state of the airport or heliport, and - based on its results - we recommend an optimal and customized technical solution (project), as well as funding (if required).

TRANSCON products are certified in compliance with ICAO, FAA, STANAG and MAK requirements.

TRANSCON products are already installed and used every day at more than 280 civil and military airports and heliports worldwide, including Czech Republic, Slovakia, Russian Federation, Poland, Germany, United Kingdom, Belarus, Ukraine, Kazakhstan, Estonia, Latvia, Georgia, Armenia, Azerbaijan, Serbia, Croatia, Bosnia and Hercegovina, Montenegro, Mongolia, Egypt, Libya, Senegal, Republic of South Africa, Kingdom of Saudi Arabia, Sri Lanka, Uruguay etc.

Vladimír Drábek  
Director General



chapter:

1

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## CZECH REPUBLIC (43)


 AIRPORT CAT II-III ICAO

- Ostrava Mosnov, Leos Janacek Airport (1990, 1998, 2001, 2004, 2006, 2008, 2010, 2012, 2015, 2017, 2018, 2019)
- Prague, Václav Havel Airport (1992, 2000, 2001, 2002, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2019)

 OTHER AIRPORTS

- Brno-Turany (1991, 1995, 1999, 2001, 2008, 2012, 2013, 2015)
- Caslav (1997, 2003, 2014, 2016)
- Czech Budejovice (1996, 2018, 2019)
- Hradec Králové (2008, 2017)
- Karlovy Vary (2001, 2002, 2011, 2012)
- Kunovice (2014, 2015, 2017, 2019)
- Line (1996)
- Namest nad Oslavou (1995, 2004, 2008, 2014, 2016, 2019)
- Pardubice (1995, 2004, 2008, 2013, 2016)
- Prague Kbely (1993, 2009, 2014, 2016, 2019)
- Prague Jenec AČR (2005, 2019)
- Prerov (1996, 2011, 2016)
- ŘLP ČR s.p. (2019)
- Vodochody (2007)

 HELIPORTS

- Bechyne ACR (2017)
- Blansko (2002)
- Brno FN Bohunice (2005, 2006, 2015)
- Brno-Tuřany (2006)
- Czech Budejovice (2015)
- Chodová Planá (2014, 2017)
- Chotoun (2019)
- Havírov (2011)
- Hradec Králové (2000)
- Jeseník (2008)
- Jihlava (1999)
- Karviná (2005)
- Liberec (2013)
- Maratice (2015)
- Olomouc Za Nemocnicí (2003)
- Olomouc Zora (2005)
- Ostrava (1999, 2017)
- Plzen (2005)
- Plzen Lochotín (2015)
- Prague Stresovice (2011)
- Pragu Tocna (2012)
- Rozvadov (2014)
- Solnice (2016)
- Sumperk (2006)
- Techonín (2005)

 TRAINING CENTER

- Brno (2011, 2015)
- Prague (2013, 2018)
- DPHM Prahy - Metro (2019)

## SLOVAKIA (12)


 AIRPORT CAT II-III ICAO

- Bratislava (2019)

 OTHER AIRPORTS

- Kosice (1993, 2002, 2004, 2005, 2011, 2012, 2013, 2018)
- Malacky (1997, 2001, 2010, 2012, 2015)
- Piestany (1992, 2001, 2004, 2012)
- Poprad (2004, 2009, 2015)
- Sliac (2004, 2006, 2009, 2012, 2014)
- Prievidza (2018)

 HELIPORTS

- Bratislava (2010, 2016)
- Bratislava NUSCH (2019)
- Ruzomberok (2010)
- Starý Smokovec (2014)
- Zilina (2005)

## POLISH (30)


 OTHER AIRPORTS

- Bialystok (2018)
- Krosno (2016)
- Modlin (2012)
- Radom (2014)
- Warsaw (2010)
- Opole (2018)

 HELIPORTS

- Depułyce Krolewskie (2019)
- Chrzanów (2011)
- Gdansk (2011)
- Grudziadz (2010)
- Hlohov (2010)
- Jaworzno (2013)
- Kalis (2011)
- Katowice (2013)
- Krakov (2010)
- Lebork (2011)
- Lodž (2019)
- Myslenice (2011)
- Nysa (2011)
- Ostrów Wielkopolski (2010)
- Auschwitz (2010)
- Pietrzykowice (2010)
- Rzeszów-Jasionka (2010)
- Siedlice (2007)
- Sochaczew (2006)
- Sucha Beskidzka (2012)
- Warsaw (2010)
- Wrocław (2011)
- Zabrze (2019)

chapter:

# 1 REFERENCES



## GERMANY (8)



### OTHER AIRPORTS

- Anklam (1994)
- Cottbus-Drevitz (1996)
- Heringsdorf (2009)
- Neubrandenburg (2015)
- Oehna (1999)
- Strausberg (1998)

### HELIPORTS

- Berlin (1997)
- Neubrandenburg (1999)

## UKRAINE (6)



### AIRPORT CAT II-III ICAO

- Charkov (1997)
- Ivano-Frankivsk (2017)
- Kijev-Gostomel (1994, 2009)

### OTHER AIRPORTS

- Cernovcy (2012)

### HELIPORTS

- Krym (2011)
- Odesa (2011, 2015)

## BELARUS (7)



### AIRPORT CAT II-III ICAO

- Minsk (2017)

### OTHER AIRPORTS

- Gomel (2009)
- Hrodno (2009)
- Mohylev (2016)
- Orsa (2019)
- Vitebsk (2014, 2015)

### HELIPORTS

- Zdanovicy (2011)

## SERBIA (4)



### AIRPORT CAT II-III ICAO

- Belgrade (2006, 2007, 2008, 2009, 2011, 2013, 2016, 2018)

### OTHER AIRPORTS

- Nis (2003)
- Morava (2019)
- Vrsac (2015)

## CROATIA (2)



### OTHER AIRPORTS

- Brac (2014)
- Pula (2014, 2017)

## BOSNIA AND HERZEGOVINA (2)



### OTHER AIRPORTS

- Banja Luka (2008, 2017)
- Tuzla (2015)

## MONTENEGRO (1)



### HELIPORTS

- Becici (2007)

## UNITED KINGDOM (1)



### HELIPORTS

- Heliport (2002)

## ESTONIA (1)



### HELIPORTS

- Ämari (2004)

## SWITZERLAND (1)



### HELIPORTS

- flash beacons for heliport (2014, 2015)

## LATVIA (1)



### AIRPORT CAT II-III ICAO

- Tukums (2007)





# REFERENCES

1

## ARMENIA (1)

### OTHER AIRPORTS

- Goris (2010, 2011)

## AZERBAIJAN (1)

### HELIPORTS

- Heliport (2012)

## GEORGIA (1)

### OTHER AIRPORTS

- Tbilisi (2007)

## KAZAKHSTAN (1)

### OTHER AIRPORTS

- Karaganda (1992, 2004, 2007, 2008)

## MONGOLIA (2)

### OTHER AIRPORTS

- Arvaikheer (2003)
- Ulanbaatar (1999, 2010)

## SRI LANKA (1)

### OTHER AIRPORTS

- Colombo (2012)

## LIBYA (4)

### OTHER AIRPORTS

- Benghazi (2019)
- Labraq (2008)
- Tobrug (2008)
- Ubari (2008)

## SAUDI ARABIA (1)

### HELIPORTS

- Qassim (2010)

## SOUTH AFRICA (1)

### HELIPORTS

- Pretoria (2004)

## EGYPT (1)

### TRAINING CENTER

- Cairo (1999)

## URUGUAY (1)

### OTHER AIRPORTS

- Montevideo (1997)

## CUBA (2)

### OTHER AIRPORTS

- Varadero (2015)
- Regional Airport (2016, 2018)

chapter:

# 1 REFERENCES



## RUSSIA CENTRAL FEDERAL DISTRICT (27)

### AIRPORT CAT II-III ICAO

- Ckalovskij (2011, 2012)
- Moscow-Domodedovo (1999, 2004, 2007, 2017)
- Moscow-Ostafevo (2000, 2008, 2013, 2015, 2017)
- Moscow-Sheremetyevo (2006, 2007, 2009, 2010, 2011, 2012, 2018)
- Moscow-Vnukovo (2007, 2011, 2012, 2016)

### OTHER AIRPORTS

- Belgorod (2011)
- Chotilovo (2007)
- Jaroslavl-Tunosna (2001, 2013)
- Kaluga (2014)
- Kubinka (2012)
- Kursk (2006, 2009)
- Lipeck (2013, 2015)
- Oryol (1999)
- Smolensk (2010)
- Stary Oskol (2013)
- Zukovskij (2014)

### HELIPORTS

- Barvicha (2014, 2016)
- Gorki-9 (2009)
- Gorki-10 (2009, 2014)
- Moscow-White House (2013)
- Moscow-Kremlin (2013)
- Moscow-Sheremetyevo (2014)
- Moscow-Vnukovo (2016)
- Ogarevo (2007)
- Romaskovo (2016)
- Schyolkovo (2017)
- Zavidovo (2007)



## RUSSIA SOUTHERN FEDERAL DISTRICT (12)

### AIRPORT CAT II-III ICAO

- Rostov-on-Don (2004, 2005, 2007, 2008, 2015)
- Volgograd (2007, 2015)

### OTHER AIRPORTS

- Astrakhan (2007, 2008, 2009, 2010)
- Krasnodar (2014)

### HELIPORTS

- Acipse (2012, 2014)
- Gelendzik II. (2015)
- Krasnodar (2011)
- Psekhako (2012)
- Rostov on Don (2013)
- Sochi Radisson (2017)
- Sochi Riviera (2013)
- Sochi Roza Chutor (2013)



## RUSSIA NORTH CAUCASIAN FEDERAL DISTRICT (4)

### OTHER AIRPORTS

- Groznyj (2008)
- Makhachkala (2014)
- Vladikavkaz (2014)

### HELIPOINTS

- Pjatigorsk (2015)



## RUSSIA NORTHWESTERN FEDERAL DISTRICT (17)

### AIRPORT CAT II-III ICAO

- Archangelsk (2004, 2005, 2008)
- Kaliningrad (2004, 2005, 2008, 2009, 2017)
- Novyj Urengoj (2001, 2007, 2008)
- St Petersburg-Pulkovo (2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2015, 2018, 2019)

### OTHER AIRPORTS

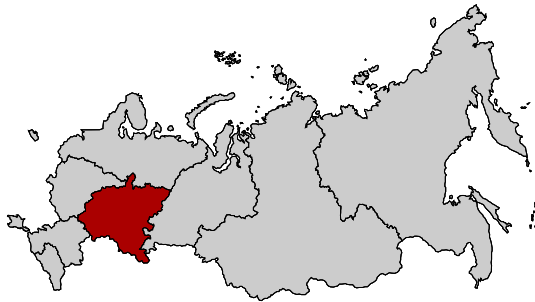
- Cherepovec (2000, 2012)
- Inta (2013)
- Kostomukcha (2006)
- Petrozavodsk (2002)
- Poljarnyj (2005,2006)
- Syktyvkar (2001)
- Syktyvkar-central (2011)
- Uchta (2008, 2010)
- Usinsk (2011)
- Vorkuta (2007, 2008)

### HELIPOINTS

- Kronstadt (2013)
- Saint Petersburg Optikov (2012)
- Saint Petersburg-Pulkovo (2015)

chapter:

# 1 REFERENCES



## RUSSIA VOLGA FEDERAL DISTRICT (15)

### AIRPORT CAT II-III ICAO

- Kazan (2011)
- Orenburg (2001, 2009, 2010)
- Samara-Kurumoc (1999, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2013, 2014, 2016)
- Saratov (2006, 2007, 2008, 2009, 2010)

### OTHER AIRPORTS

- Merlino (2010)
- Neftekamsk (2010)
- Nizhny Novgorod (2006, 2007, 2008, 2016)
- Orsk (2006, 2007)
- Penza (2005)
- Perm (2007)
- Saransk (2017, 2018)
- Sibay (2010)
- Ufa (2014)

### HELIPOINTS

- Buzuluk (2001)
- Volzhsky Utes (2007)



## RUSIA URAL FEDERAL DISTRICT (17)

### AIRPORT CAT II-III ICAO

- Chelyabinsk (2007, 2019)
- Khanty-Mansiysk (2004, 2005, 2017)
- Magnitogorsk (2001, 2007, 2008)
- Nizhnevartovsk (2003, 2004, 2005, 2006, 2010, 2013, 2017)
- Tyumen-Roshchino (2000, 2001, 2003, 2005, 2008, 2010, 2012, 2015)

### OTHER AIRPORTS

- Jamburg (2007, 2008)
- Krasnoselkup (2014, 2019)
- Kurgan (2006)
- Nadym (2012)
- Sabetta (2010, 2013, 2017)
- Salechard (2006)
- Surgut-Talakan (2010, 2013)
- Uraj (2004, 2007)

### HELIPOINTS

- Bovanenkovo (2009, 2010)
- Krasnoselkup (2014)
- Magnitogorsk (2000)
- Surgut-Talakan (2012)





## RUSSIA SIBERIAN FEDERAL DISTRICT (13)

### AIRPORT CAT II-III ICAO

- Irkutsk (2003, 2006, 2007, 2008, 2009, 2011, 2018)
- Kemerovo (2001, 2002, 2003, 2005, 2007)
- Norilsk (2006, 2007, 2008, 2017)
- Novosibirsk-Tolmachevo (1999, 2001, 2002, 2007, 2008, 2009, 2016, 2019)

### OTHER AIRPORTS

- Anapa (2004, 2005, 2011)
- Barnaul (2005, 2008)
- Bratsk (1999, 2001, 2008)
- Ejsk (2011)
- Igarka (2011, 2012)
- Omsk-central (1999, 2004, 2008, 2013)
- Ulan Ude (2004, 2007, 2009, 2010, 2011, 2012, 2017)

### HELIPOINTS

- Krasnojarsk (2010)
- Vankor (2017)



## RUSSIA FAR EASTERN FEDERAL DISTRICT (13)

### AIRPORT CAT II-III ICAO

- Mirnyj (2009)
- Petropavlovsk-Kamchatskij (2007, 2011, 2013)

### OTHER AIRPORTS

- Anadyr (2002, 2005, 2007, 2009, 2011, 2012)
- Iturup (2017)
- Krainij (2010)
- Lensk (2006)
- Magadan (2004, 2013, 2014)
- Milkovo (2012, 2014)

### HELIPOINTS

- Chabarovsk (2019)
- Lensk (2006)
- Magadan (2014)
- Solnecnoe (2015)
- Vladivostok (2011)

chapter:

1

# SERVICING



The TRANSCON provides for its products a 24 hour non-stop servicing



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Servicing interventions are divided to guarantee and after-guarantee interventions. After-guarantee interventions has to be paid for.

## Servicing intervention in TRANSCON

Servicing intervention the servicing center is made in case that it is impossible to make repair at the customer's site. Project manager after advice of failure by the customer evaluates character of the failure and in case that it is impossible to complete repair at the customer's site (seriousness of failure, distance, etc.) the defective component is transported (sent) to Transcon for repair.

## Servicing intervention at the customer

At the moment when the customer orders (by phone, in person, by fax, etc.) repair (servicing intervention), the project manager draws out a servicing record. After entering of the servicing intervention into the system the project manager evaluates character of the required servicing activity (software or hardware problem) and on the basis of the failure character hands over a request for servicing intervention to the respective department, which will tackle the problem.

## 2 YEAR GUARANTEE

We grant a 24 month standard guarantee for all products of our company. Upon the customer's wish it is possible to arrange individual guarantees for the order.

The manufacturer reserves the right to make changes that would lead to improvement of technical and service properties of the equipment, which are not in conflict with basic technical properties of the equipment. Data in the text of this catalog therefore need not to be fully identical with the supplied equipment. All manufacturer's rights are reserved. Any re-printing, mechanical and electronic copying and dissemination of this catalog, which is an authorial work in the sense of the pertinent legislative acts, is permitted only with the explicit permission of the manufacturer. All the designations and names used in the text can be protected by trademarks or by commercial names of products of the relevant companies.

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# CERTIFICATES

# 1

## UCL - civil aviation authority, approval certificate

name/type	description
APPROVAL CERTIFICATE	to develop, produce, maintain, repair, install, modify and design changes of Aeronautical Ground Facilities, including checking of own products
	The scope of approval is established according to Annex No. 1 to Decree No. 108/1997 Coll., para. 3.1, 3.2, 3.3.4 and 3.3.10

## UCL - CIVIL AVIATION AUTHORITY, type certificate

name/type	description
LMS	System for Individual Control and Monitoring Airfield Lights
TCR2.X.X.X	Constant Current Regulator
ML 121	Aerodrome Elevated Omnidirectional Light
ML 121 H	Elevated Omnidirectional Light for Heliport
ML 122	Aerodrome elevated bidirectional light
ML 124 HP	Elevated Omnidirectional Light for Heliport
TL-322	Aerodrome elevated bidirectional light
TL 421.X	Aerodrome elevated directional light
RGL-02, RGC-02.X	Runway Guard Light and Runway Guard Control
SBL-02	Aeronautical Stop-Bar Light
TI40	Aerodrome (Bi)Directional Inset Light 8"
TI41	Aerodrome (Bi)Directional Inset Light 8" (high intensity)
TI42	Aerodrome Omnidirectional Inset Light
TI43	Aerodrome Omnidirectional Inset Light 8"
TI44	Aerodrome Omnidirectional Inset Light 8"
TI45	Aerodrome Omnidirectional Inset Light 8" (on the curve)
TI70	Aerodrome Bidirectional Inset Light
ML 125 X.X.X	Aerodrome Elevated Omnidirectional Light
TLI42	Aerodrome Omnidirectional Inset LED Light
TP90	Precision Approach Path Indicator
TFL 32	Sequential Flash Light System
TLB1-H	Heliport beacon
ML 124 P-O	Aerodrome Elevated Omnidirectional Light
TZP-E.X.X.X	Aeronautical Runway and Taxiway Lighted Signs
ZP-D.X.X.X	Aeronautical Runway and Taxiway Lighted Signs
TZP-R	Aeronautical Runway and Taxiway Unlighted Signs
Elevated Light Substructures	TRANSCON
GFK	Approach Light Masts
Airport serial cable, unshield,	5 kV
KR600	Isolation Transformers for Aeronautical Ground Lighting
MoLis-H-APAPI	Precision Approach Path Indicator (mobile)
MoLis-L-x	Aerodrome Elevated RWY THR/END/SIDE light (mobile) Low/Medium Intensity
FL 111	Flash beacon for heliport
HRC-01.X.X.X	Radio Control

Control and monitoring system AGL - "DoC" from producer, "OPZ" from user

chapter:

1

# CERTIFICATES



## MO ACR - MINISTRY OF DEFENCE CZECH REPUBLIC, APPROVAL CERTIFICATE

name/type	description
APPROVAL CERTIFICATE	No: MAA 358 to develop of the military aeronautical ground facilities No: MAA 359 to produce and tests of the military aeronautical ground facilities No: MAA 360 to installations, maintain and repair of the military aeronautical ground facilities No: MAA 361 to modifications, structural changes of the military aeronautical ground facilities

## MO ACR - MINISTRY OF DEFENCE CZECH REPUBLIC, TYPE APPROVAL

name/type	description
AMS.2	Airport Control and Monitoring System
TCR.2.X.X.X	Constant Current Regulator
ML 121 (ML 121 H.X, ML 121 HP.X)	Airfield omnidirectional elevated light (with integrated isolating transformer)
ML 122 (ML 122 XXX)	Airfield omnidirectional elevated light for mobile and stationary airfield (medium intensity)
ML 124 HP (ML 124 HP XXX)	Airfield omnidirectional elevated light for mobile and stationary airfield (low intensity)
TL 322	Aerodrome Elevated Bidirectional Light
TL 421	Aerodrome Elevated Directional Light
TP90	Precision Approach Path Indicator
TFL-32	Aerodrome Flash Lighting System
ML 124 P-O	Airfield omnidirectional elevated light for lighting of obstacles (low intensity)
ML 125 (ML 125 UL.X, ML 125 HP.X)	Airfield omnidirectional elevated light (with integrated electronics for the power LED diodes)
TZP-E	Aeronautical Runway and Taxiway Lighted Signs
TZP-D	Aeronautical Runway and Taxiway Lighted Signs
TZP-R	Aeronautical Runway and Taxiway Unlighted Signs
HRC-01 (HRC-01.X.X.X)	Radio Remote Control Unit
FL 111	Heliport beacon

## LU SR - SLOVAK REPUBLIC CIVIL AVIATION AUTHORITY, TYPE APPROVAL

name/type	description
AMS.2	Control and monitoring airport system
TCR.X	Regulator for source of constant current
ML 121 H, HP, HP-O	Airfield Elevated Light, Omnidirectional
ML 122	Airfield Inpavement Light, Omnidirectional
ML 124 H	Airfield Elevated Light Omnidirectional Light
TL 322	Aerodrome Elevated Bidirectional Light
TL 421	Aerodrome Elevated Directional Light
RGL-02, RGC-02.X	Runway Guard Light and Control Unit
SBL-02	Aeronautical Elevated Stop-Bar Light
TI42	Aerodrome Inset Omnidirectional Light
ML 125. XX	Airfield Elevated Light
TLI42	Aerodrome Inset Omnidirectional Light
TP90	Precision Approach Path Indicator
TFL 32	Approach Flashlight System
TZP-E	Aeronautical Sign, Runway and Taxiway, Lighted
TZP-D	Aeronautical Runway and Taxiway Lighted Signs
TZP-R	Aeronautical Sign, Runway and Taxiway, Unlighted
Elevated Light Substructures	TRANSCON
EFLA KR xxx.1	Isolation Transformers for Airport Lighting Systems
TRP.1.X	Parallel Power Distributor
HRC - 01	Radio Remote Control of Airport Lightings

## MO SR - MINISTRY OF DEFENCE OF THE SLOVAK REPUBLIC, TYPE APPROVAL

name/type	description
EFLA KR	Isolation Transformers for Airport Lighting Systems