



EXXELIA[®]

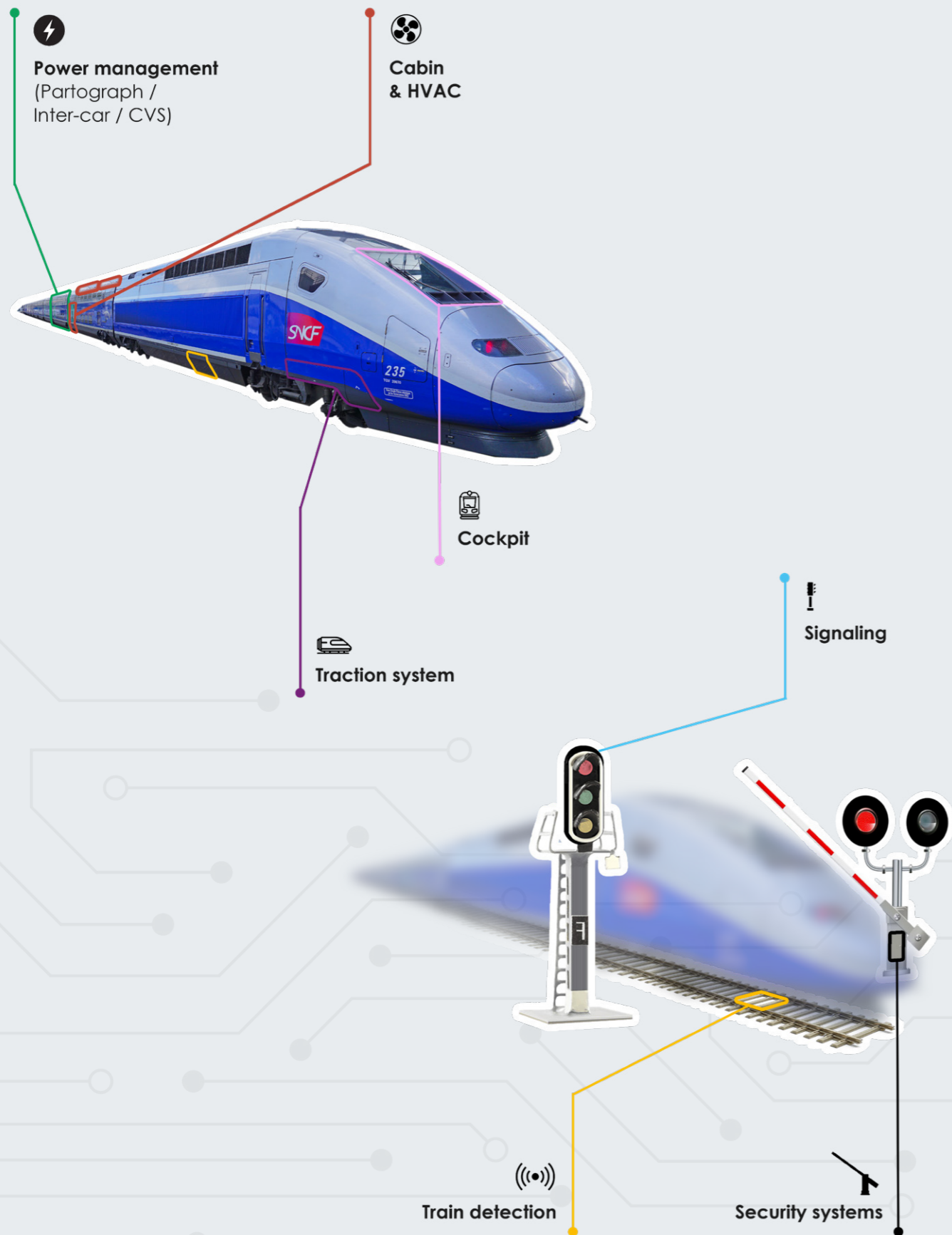



Inside


RAILWAY ROLLING-STOCK & SIGNALLING

Exxelia provides precision and power capacitors and magnetics to high-speed and regional trains, subways, light-rails and signalling equipment. Exxelia's product offer includes film capacitors, axial and snap-in aluminum electrolytic capacitors, 4-terminal safety ceramic and film capacitors, mica capacitors and power transformers and inductors, that resist harsh vibrations while offering high reliability in operations.


Exxelia serves both railway rolling stock and signalling. Rolling stock's critical functions such as traction system, CVS or inter-car liaison can be powered with Exxelia's wide range of aluminum electrolytic screw terminal capacitors, DC-Link and IGBT snubber polypropylene (PP) film capacitors and power transformers (dual, 3-phase, current, openable and TFPP transformers). Exxelia's range of safety ceramic and film safety capacitors, axial electrolytic aluminum, RF MLCC and miniature transformers are found insigalling equipment.


Low Self-Inductance capa.
DC Link Series
 Low profile / Low ESR
 Capacitance: 12 μ F - 2 350 μ F
 Voltage: 500 V - 2 400 V
 -55°C to +105°C




Custom Power PP Film capacitors
AC Harmonic filter, Breaking system, Auxiliary converters



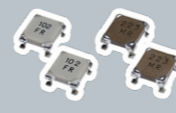
PP Film capacitors
MP-4
 Self-healing property
 Capacitance: 0,1 μ F - 6,3 μ F
 Voltage: 700 V - 3 000 V
 -40°C to +85°C




Screw terminals
PG Series
 High ripple current
 Capacitance: 68 μ F - 2,2 F
 Voltage: 10 V - 630 V
 -55°C to +125°C




Long lifetime
Snap 2 pins / Low ESR
Snap-in Series
 Snap 2 pins / Low ESR
 Capacitance: 47 μ F - 47 00 μ F
 Voltage: 25 V - 450 V
 -40°C to +85°C




Safety capacitors
30S4 Series
 4 terminals capacitors
 Capacitance: 470 pF - 820 nF
 Voltage: 40 V - 100 V
 -55°C to +125°C



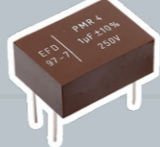
High Stability
A74S4
 Low Tolerance up to 1%
 No Piezoelectric Effect
 Voltage: 40 V - 400 V
 -55°C to +125°C



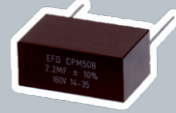
Silvered Mica
CA Series
 Capacitance: 4,7 pF - 100 nF
 Voltage: 63 V - 1 000 V
 -55°C to +125°C



Power film
Polypropylene PP 44 A2
 Capacitance: 12 μ F - 300 μ F
 Voltage: 600 V - 2 400 V
 -40°C to +100°C




High Stability
PMR 4T
 Low Tolerance up to 1%
 Voltage: 250 V
 High Stability
 No Piezoelectric Effect



High Stability
KM Series
 Precision capacitors
 Low Tolerance up to 1%
 Low DF and Dielectric losses



High Stability
KM Series
 Precision capacitors
 Low Tolerance up to 1%
 Low DF and Dielectric losses



Axial Capacitors
Prorelsic axial Series
 Aluminum Electrolytic
 Capacitance: 1 μ F - 25 000 μ F
 Voltage: 10 V - 450 V
 -55°C to +125°C

Powering Performance

Exxelia is valued for its ability to develop standard and custom products complying with the most demanding qualifications.

Contact us www.exxelia.com/en/contact



For Power Supply

CTS Series

Solid Tantalum MnO₂
Capacitance: 1 μ F - 1 200 μ F
Voltage: 6,3 V - 63 V
- 55°C to +125°C



High-Q MLCC

CH & SH Series

DC to RF conversion
Capacitance: 1 pF - 470 nF
P100 dielectric / 50 - 1 500Vdc
0.1pF - 1 000pF



Tracking beacon

for safety control

Mastering all special processes.
Supplying the fully integrated product : Housing, cables, transformers and chokes, Molding.



Dual transformer

Series

Ventilation channel : 2 x 125 kVa
125 kW - 4 kHz
500 V / 940 V
190 Kg



Openable Current Transformer

Copper wire

Silicon steels cut core
Power 10 VA / 320A @50 Hz
Ratio 1/100 - 5P8



Flyback transformer

Inductor RM10 package

For protection of equipment



Magnetics

for embedded calculator

Toroid package
Poweder core, Ferrite core,
Tape wound core available



RT 27 MHz Transformer

WRFT 4 Series

Power : 35 W
Impedance ratio 50:50
Maximum RMS output : 1.2 A
1dB: 2-50



MF Power transformer

Dual active bridge

Primary : 1050 Veff
Secondary : 800 V 107 A / 150 V 142 A
Frequency : 4 kHz - 12 kHz
65 kg



3 phase transformer

with integrated filter for CVS

Power : 115 kVA - 50 Hz
Primary : 3 x 1 458 V
Secondary : 3 x 400 V
520 kg



Feedthru

FP / AFP 170

50 - 1 000Vdc
115 - 250Vrms
Max current 0.1 - 15A



Monophase transformer

dedicated to battery chargers

Power : 90 kVA
Primary : 500 - 650 V
Secondary : 125 V
32 kg

