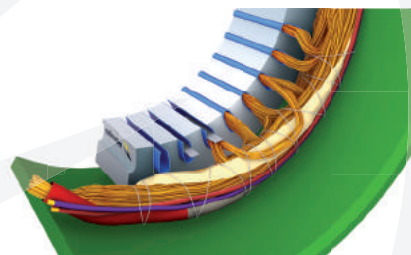


# ENERGY AUTOMOTIVE

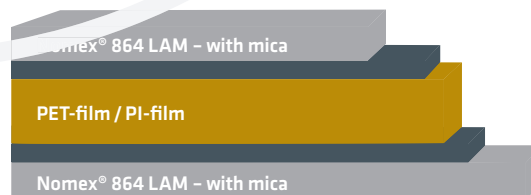
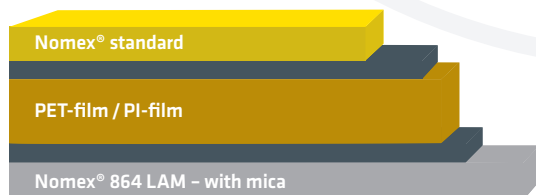
*High quality insulating materials are crucial for the reliability of functions and absolutely safe operation of electric motors and generators.*



## Technology Partnership

**ISOVOLTA as your technology partner** is not only using more than 65 years of expertise in developing customer specific requirements. A worldwide network of production sites and local services guarantee internationally uniform quality-certificated standards. Next to key competences in lamination resulting in optimized characteristics of materials, ISOVOLTA offers a broad spectrum of converting possibilities at the different plants. Core competence in development of mica paper and mica-related materials make ISOVOLTA's portfolio attractive for the global and technology-driven automotive-world.

The usage of LV & HV insulating materials (flexible & rigid materials) for slot insulation, slot closure, phase insulation as well as for cables and battery packages is based on long term development of competences in impregnation, coating, laminating and processing. Material-tests cover the reliable usage in HEV / EV-power units dealing with vibration, high thermal stress, heat dissipation, partial discharge and contact with oil (ATF). Next to standard materials ISOVOLTA offers customized asymmetric solutions for any specific requests.

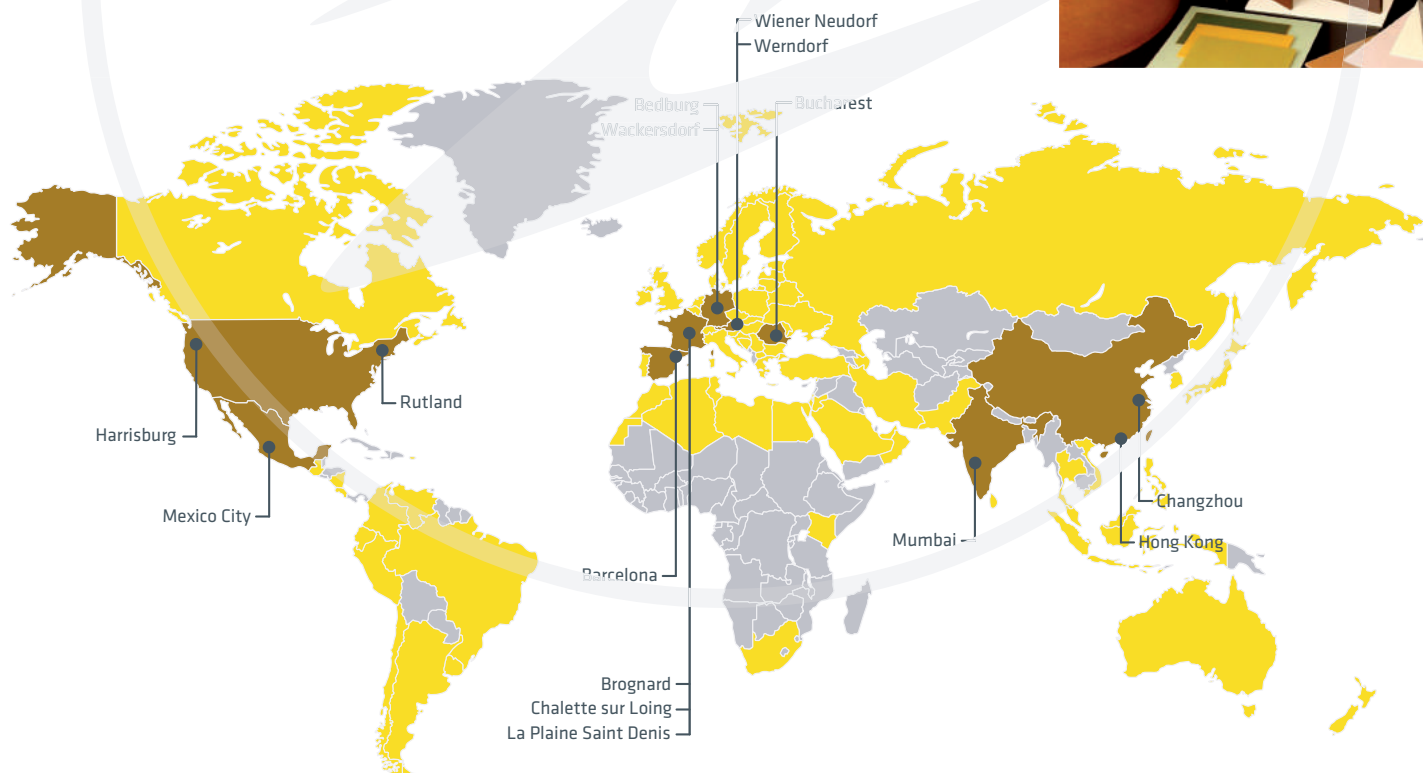


- ⚡ Different kinds of pure material (Kapton, Glass, Mica, Nomex, Fleece, etc.)
- ⚡ All kinds of standard laminates (NMN, NKN, DMD...) are available
- ⚡ All standard films (PET, PEN, PI, ...) in corelayer-usage
- ⚡ Asymmetric solutions (eg. Standard Nomex© on one side and Nomex© 864 LAM on the other side of the core-layer film) are possible

**Nomex® 864 LAM** = 50% meta-aramid (= Nomex®)  
= 50% mica (from Isovolta)



**SOVOLTA** is part of Constantia industries, a privately owned and internationally oriented Austrian company currently employing more than 5.000 employees with annual revenue of about 1 billion Euro.



## Global Presence

**SOVOLTA** with its dedicated automotive team and its global presence on three continents, together with a wide range of products and services, is a perfect partner for the automotive industry and the new generation of hybrid- and electric cars.