

## We about us

**Since its founding the company has gone through numerous changes regarding its legal status, ownership and – in this connection – corporate identity. The 50 years of history are closely connected with the development of power electronics, semiconductor technology and drive technology in Germany. A survey of the most important steps is given here under:**

- 1949 Development of mercury arc rectifiers in the „Rectifier bureau Berlin – Schöneeweide“. Start in projecting large power electronic plants.
- 1950 Commencement of serial production (total of 5000 units) of mercury arc rectifiers (glass and steel cased) within the previous AEG factory EAW at Berlin-Treptow.
- 1951 Formation of the design office „ZKB electric drives“ within EAW with production, research and testing facilities for power electronics.
- 1951 Supply of an aluminium electrolysis plant for the chemical works Bitterfeld with 36 mercury arc rectifiers (30 kA, 1350 V).
- 1952 Commissioning of a twin drive of 2000kW for a roughing stand of the rolling mill Ilsenburg.
- 1953 Employment of transducers for voltage control of drives.
- 1959 Formation of VEB Elektroprojekt (Elpro) with R & D, design, manufacture and commissioning of power electronic equipment for rolling mills and traction application.
- 1960 Design of power electronics using silicon diodes and thyristors.
- 1964 Registration of the trade mark **transresch** (transistorised controls) for drive controls with transistors
- 1968 Serial production of the compact design of the thyristor converter EEG for DC drives (small) which has been used in large numbers for machine tools, textile machines and plastic processing machines and was exported into many countries.
- 1968 Registration of the trade mark **thyresch** (thyristorised controls) for power electronics in the range of a few kW up to a few MW
- 1969 Merger of Elpro with SAB (founded 1949 on the basis of AEG-office Berlin) into VEB Elektroprojekt and Plant Equipment Berlin (EAB) as provider of complete electrical equipment for all industrial applications

- 1969 Start of the comprehensive utilization of thyristor converters for rolling mills, cement plants, printing presses, ships, power supplies for electrolyses and DC traction.
- 1979 Completion of the new factory with modern manufacturing facilities at Berlin-Marzahn, Rhinstraße 100.
- 1984 First Thyristor frequency inverter 100 kVA mit voltage source, microprocessor control and digital operation panel. During the subsequent years used with AC asynchronous motors for pumps, centrifuges, textile machines and roller table drives.
- 1988 Completely digitized compact power electronics with 16 bit micro processor for highly dynamic machine tool drives.
- 1989 Installed capacity of power electronic equipment produced each year 550 MW, total number of produced power electronic units 150 000 numbers.
- 1990 VEAB EAB is being converted into the company Elpro AG, Berlin
- 1991 Negotiations for privatisation with renowned enterprises (AEG, Siemens, GE, Cegelec, Reliance).
- 1991 Privatisation of Elpro AG by the investor group EES
- 1993 R & D program for a gradual innovation of the entire power electronics scope. Development of fully digitized modern converters for DC drives, current source inverters and IGBT voltage source inverters for AC drives.
- 1994 Commissioning of first IGBT inverters 100 kW for pumps.
- 1995 Supply of highly dynamic AC drives for combustion motor and gearbox test equipment (VW, Ford, GM, SAAB, Peugeot.)
- 1995 Elpro AG moves to the new site at Marzahner Straße, 34.
- 1997 Take over of power electronics division of Elpro AG by Lloyd Dynamowerke Bremen (LDW) supply of sophisticated drive systems together with Motorenwerke Schorch/LDW
- 1999 Formation of an independent company under the name „transresch Antriebssysteme Berlin“ GmbH within the Elpro site.