



## Impact

Both SMEs ADZ and PMST need innovative products to survive in the global competition, increase their market share and open up new application fields, such as the process industry, transport and renewable energies (hydrogen).

The sales forecasts of the two SMEs are promising, for ADZ: in 2018 50T€, in 2019 100T€, in 2020 200T€, and for PMST: in 2018 50T€, in 2019 150T€, in 2020 250T€.

Inexpensive ceramic differential pressure transmitters with a smaller size and higher accuracy make it possible for SMEs to address the needs of the market for sensors with high precision and application under harsh environmental conditions.

The achieved results and the further potential for miniaturization, reliability and robustness create outstanding opportunities for the SMEs involved in acquiring new customers and orders. For example, such sensors can be used for pressure ranges up to 8000 bar, which was currently only possible with sensors made of steel or ceramic.

A good double-sided protection of the sensitive bending plate, realized by validated components from research, opens the market for the next generation of differential pressure sensors.

**End-user:** ADZ Nagano GmbH, Prignitz Mikrosystem GmbH (SME, DE) as system manufacturer for the building automation market

**Technology providers:** CiS (RTO, DE), TNI (RTO, CH)

**DIH contact point:** CiS