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Andrey Vladimirovich Posse as an innovator in the theory and practice of powerful valve converters (on the 100th anniversary of the birth).

A.V. Posse was an outstanding scientist, the theorist and practitioner simultaneously, the powerful generator of new ideas in converting engineering. He left the great scientific inheritance in monographs, articles, reports and inventions form. Development of power semiconductor electronics and its application to electric power industry, in particular, to HVDC transmissions and back-to-backs, in electrotransport and in industry fell on his lifetime. A.V. Posse's theoretical works on powerful converters opened a way to fast application of achievements of power electronics to the specified fields of engineering. As a good organizer and a scientific chief of large collectives of people, he made a significant personal contribution to creation many objects with application of converters.

Key words: HVDC back-to-back, load frequency control, automatic generation control.