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DC. It is also known as
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an effective way to
transmit the vast

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current interconnection
across the Great Belt
between Funen and
Zealand connecting
two power
transmission systems
in Denmark.
The HVAC transmission
requires a minimum of
3 conductors for 3-
phase power
transmission while in
case of HVDC that can
utilize the earth as the
return path can use
only 1 conductor for
mono-polar
transmission or 2
conductors for a

bipolar transmission. It
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Author Bios DRAGAN JOVCIC, P H D, is director of Aberdeen HVDC Research Centre and a Professor with the University of Aberdeen, Scotland, UK.

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DC transmission at distribution level voltages (using VSC-HVDC) is also being considered for integration of distributed generation in the power grid. This second edition is a complete revision of the first edition taking into account the developments that have taken place since the first edition was published.

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