Explosion-proof Simotics XP 1MB1 motors certified for converter operation

- Simotics XP 1MB1 motors – now approved for use with Sinamics converters in potentially explosive atmospheres
- Energy-efficient operation with 1MB1 motors possible in the 0.09 to 200 kilowatt output range
- Motor operating data determined using Sizer engineering tool for Siemens drives

An extension to the EC Type Examination Certificate has opened up new scope for the IMB1 motor series, which is now approved for both mains and converter-fed operation. The Sizer engineering tool for Siemens drives can be used to ascertain the operating data of Simotics XP 1MB1 motors used with the approved Sinamics converters. Energy-efficient, reliable converter-fed motor operation is possible in an output range of 0.09 to 200 kilowatts.

Motors used in potentially explosive environments such as those encountered in the chemical and petrochemical, oil and gas industries have to comply with IEC EN 60079 standards designed to protect human life, machines and the environment. With its Simotics XP motor series, Siemens offers a range of explosion-proof motors for use in potentially explosive gas and dust-laden atmospheres. These motors are available in protection types Ex nA, Ex tb and Ex tc for use in zones 2, 21 and 22. Used in combination with Sinamics converters, the Simotics XP 1MB1 motors form a pre-tested and ideally coordinated Integrated Drive System (IDS). Benefits for the user include minimal installation costs, high availability and economical plant operation.

The explosion-proof Simotics XP motors are particularly suited for use in the chemical and petrochemical industry. They are also used in the oil and gas industry,
the woodworking and plastics processing industries and in agriculture. The motors are certified in compliance with the European Directive 94/9/EC (ATEX), IECEx (required for example in Australia) und EAC (Eurasia).

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This press release and a press picture are available at
http://www.siemens.com/press/PR2015110077PDEN

For further information on the subject of Simotics, please see
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