

From	Geir Svoen
Business area	Energy Industries
Phone direct	+4722872858
Fax direct	
E-mail	geir.svoen@no.abb.com
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FCC & ISED cover letter

To whom it might concern

"ABB Ability™ Smart Sensor xyzw" is a new family of wireless condition monitoring sensors from ABB. It consists externally of a rugged plastic enclosure, internally basically of a processor and communication module, a sensor module and a battery for powering the sensor over its lifetime. It is not possible to open the sensor to exchange the battery etc.

Over time, various variants will be launched with different internal transducers and different batteries & sizes. The sensor will be equipped with two variants of the "Processor and communication module":

PM001 Processor module, Bluetooth

PM002 Processor module, WirelessHART

The modules are identical, except that PM002 is equipped with a transceiver chip that supports WirelessHART, while the Bluetooth is used for local communication and configuration only.

Initial two versions of the Smart Sensor will be released, one equipped with PM001, the other with PM002, targeting different solutions for system integration.

To reduce future maintenance cost and enable that the same processor modules can be used for all future variants of the sensor, ABB hereby applies for limited modular approval.

Yours sincerely,
ABB AS



Geir Svoen

Headquarter
ABB AS
Bergerveien 12, NO-1396 Billingstad
PO Box 94, NO-1375 Billingstad
Norway
Phone +47 22 87 20 00
Telefax +47 22 87 46 38

Branch office
Energy Industries
Ole Deviks Vei 10, NO-0666 Oslo
PO Box 6359 Etterstad, NO-0603 Oslo
Norway
Phone +47 22 87 20 00
Telefax +47 22 87 23 27

Organization number
NO982 085 160MVA
www.abb.no