

# Danfoss Press Release

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## **New PC-GO software from Danfoss Power Solutions cuts propel subsystem development time by up to 35%**

- *Out-of-the-box solution is designed for hydrostatic transmissions with one pump and one motor*
- *Functional safety compliant system has been fully tested, validated, and documented*
- *Software configurability enables customization to meet precise machine specifications*

NORDBORG, Denmark – [Danfoss Power Solutions](#), a leading global supplier of mobile and industrial hydraulics as well as electric powertrain systems, has launched its PC-GO propel solution for single pump/motor hydrostatic transmissions. Comprising the new PC036 safety controller and PC-GO propel software, the ready-to-use platform cuts propel subsystem development time by up to 35% while simplifying compliance with environmental and safety regulations. The software is ideal for a wide variety of applications, including wheel loaders, telehandlers, dump trucks, street sweepers, and forestry equipment.

PC-GO is a fully developed propel system software solution that's configurable using the Danfoss PLUS+1 service tool for quick and simple customization. Housed on the PC036 controller, the system is designed to work with Danfoss hydrostatic pumps and motors, offering easy and seamless integration of the entire propel system. This results in short and focused development cycles with fast machine startup.

“PC-GO’s validated software package and preconfigured parameters enable machine startup in less than three days. Comparatively speaking, it could easily take two years to write a program like this from scratch,” said Aaron Rodriguez, product application engineer, Danfoss Power Solutions. “Our plug-and-perform system embeds more than 30 years of experience in the automotive field so there’s practically zero development effort, which is highly beneficial to OEMs without large software engineering teams.”

PC-GO offers multiple adjustable drive modes, including an ECO mode feature that maintains the desired vehicle speed in transport mode while reducing engine speed. This reduces idle losses of the work function hydraulics, lowering fuel consumption and noise, and can allow for engine downsizing.

PC-GO offers numerous built-in protections, including engine overspeed protection, pump and motor overspeed protections, mode-dependent speed limitation, cold start protection, and temperature protection. In addition, the software includes pressure limiting, cruise control, and anti-stall, as well as robust error monitoring.

With its PC036 safety controller, PC-GO is a PLd SIL 2 functional safety compliant system. It features fully integrated safety functions and has been tested, validated, and documented for compliance with international safety regulations such as Machinery Directive 2006/42/EC.

The PC036 controller's robust housing offers reliable performance in harsh environments. It can be mounted inside the engine compartment or elsewhere on the vehicle, providing greater installation flexibility.

To learn more, visit the [propel controllers and software](#) webpage.

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#### **About Danfoss**

Danfoss engineers solutions that increase machine productivity, reduce emissions, lower energy consumption, and enable electrification. Our solutions are used in such areas as refrigeration, air conditioning, heating, power conversion, motor control, industrial machinery, automotive, marine, and off- and on-highway equipment. We also provide solutions for renewable energy, such as solar and wind power, as well as district-energy infrastructure for cities. Our innovative engineering dates back to 1933. Danfoss is family-owned, employing more than 42,000 people, and serving customers in more than 100 countries through a global footprint of 95 factories.

[www.danfoss.com](http://www.danfoss.com)

#### **Media contacts:**

Lindsay Schleisman, Danfoss Power Solutions

Email: [lindsay.schleisman@danfoss.com](mailto:lindsay.schleisman@danfoss.com)

Tel: +1 952 250 0604

Dawn White, Napier Partnership Limited

Email: [dawn@napierb2b.com](mailto:dawn@napierb2b.com)

Tel. : +44 (0) 1799 542858