Reduce application development time and increase performance

Propel Application Library
Develop **advanced** propel solutions **faster**

The Danfoss Propel Application Library (PAL) is a collection of approximately 80 software function blocks for propel applications. Through the use of Danfoss PLUS+1® and PAL, you can develop complete propel systems for mobile machinery or easily integrate any PAL function block into your existing propel system — regardless of the system configuration or hardware in use. PAL not only provides you a competitive advantage by allowing for superior machine performance but also can dramatically reduce your development time — getting you to market faster.

**Reduction in development time:**

Instead of coding software from scratch, your development team can focus on system configuration and fine-tuning your solution to best fit your unique customer needs.
How **PAL** benefits your business

**Reduce development time by 50 percent or more.** Having proven, high-quality software blocks ready to drop into your existing system reduces costs and improves time to market.

**Supports the entire development process.** PAL supports you from beginning to end. By providing pre-tested PLUS+1 function blocks and access to the P1D Service Tool and User Manuals throughout implementation, machine software is completed faster.

**Creates efficiency.** You’ll manage one software library rather than multiple customized solutions. Using PAL and PLUS+1 gives your programmers a common software environment that encourages collaboration and sharing of best practices. PAL also helps less experienced developers or engineers create advanced propel solutions, without advanced software development expertise.

**Brings the power of Danfoss to you.** When choosing PAL, you’re not simply receiving an industry-leading software solution, you’re receiving the expertise and support only Danfoss can offer. Whether you want to collaborate with a Danfoss engineer on your unique challenge, or just want the peace of mind that you have the support you need, Danfoss is here for you.

**Challenges PAL can help you address:**
- Hydrostatic core functionalities
- Fuel saving/Eco modes
- Hydrostatic motor overspeed
- Electronic pressure control override
- Cruise control
- Anti-stall
- Engine overspeed
- Motor overspeed protection
- Anti-spin control
- Anti-braking control
- Torque distribution

**Danfoss Customization Assistance**
Danfoss programmers and software engineers are always ready to collaborate with your software team to ensure blocks from our PAL meet your needs. Whether it’s customization to optimize functionality or general technical assistance, Danfoss is always ready to assist.

To learn more about Danfoss PAL and PLUS+1, visit powersolutions.danfoss.com
About
Danfoss Power Solutions

Danfoss Power Solutions is a global manufacturer and supplier of high-quality hydraulic and electronic components. We specialize in providing state-of-the-art technology and solutions that excel in the harsh operating conditions of the mobile off-highway market. Building on our extensive applications expertise, we work closely with you to ensure exceptional performance for a broad range of off-highway vehicles. We help OEMs around the world speed up system development, reduce costs, and bring vehicles to market faster.

Danfoss Power Solutions — your strongest partner in mobile hydraulics.

Products we offer:
- Bent Axis Motors
- Closed Circuit Axial Piston Pumps and Motors
- Displays
- Electrohydraulic Power Steering
- Electrohydraulics
- Hydraulic Power Steering
- Integrated Systems
- Joysticks and Control Handles
- Microcontrollers and Software
- Open Circuit Axial Piston Pumps
- Orbital Motors
- PLUS+1® GUIDE
- Proportional Valves
- Sensors
- Steering
- Transit Mixer Drives

Wherever off-highway vehicles are at work, so is Danfoss Power Solutions. We offer you expert worldwide support for ensuring the best possible solutions for outstanding performance. And with an extensive network of Global Service Partners, we also provide you with comprehensive global service for all of our components.

Go to powersolutions.danfoss.com for further product information.

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