

FleetPilot™ System

For Snow & Ice Fleet Performance

SpreadSmart MAX™



Connected snow and ice fleet performance management for state and local operations

Certified Power
SOLUTIONS



FleetPilot Gives You Total Control

Equipping you with precise, data-driven insights on your fleet's performance, the FleetPilot™ System by Certified Power helps you maximize operational efficiency, control material usage, support driver safety, inform predictive maintenance, and more.

Control Every Variable of Your Snow & Ice Operations

The FleetPilot™ System by Certified Power enables state and local governments to create a custom solution to match any unique need or requirement.



Cut Your Costs

- Track plow locations and statuses to determine where additional material or plowing is needed.
- Monitor vehicle and material metrics like speed, direction, and spread rate.
- Seamlessly integrate data with third-party and specific state mapping tools.
- Simplify your predictive maintenance strategy by seeing problems before they happen.
- Build comprehensive reports for fleet health, environmental compliance, and strategic planning for upcoming seasons.



Future-Proof Your Operations

- Upgrade your fleet to FleetPilot™ SpreadSmart MAX controls, while keeping the existing hydraulic system.
- Automate and streamline firmware updates, address bugs, and rapidly transfer calibration and configuration files.
- Flexibly update or add modules to adapt to evolving demands or budgets.



Easily Troubleshoot

- Identify and address real-time issues by adjusting outputs for open and short circuit conditions.
- Monitor machine activities through a user-friendly, expansive screen.
- Opt for environmentally-rated enclosures with fewer connectors.
- Ensure resilience with IP69K-rated protective measures.



Achieve Compliance

- Simplify your predictive maintenance strategy by seeing problems before they happen.
- Stay informed about spreader speed, direction, rate, and the specific materials used.
- Create tailored reports to confirm compliance with EPA, state, or local regulations.
- Implement geofences to oversee watershed areas and ensure protection.
- Reduce fuel consumption for a more eco-friendly operation.
- Avoid over-dispensing and redundant area coverage for optimal material usage.

Your Fleet, Your Way

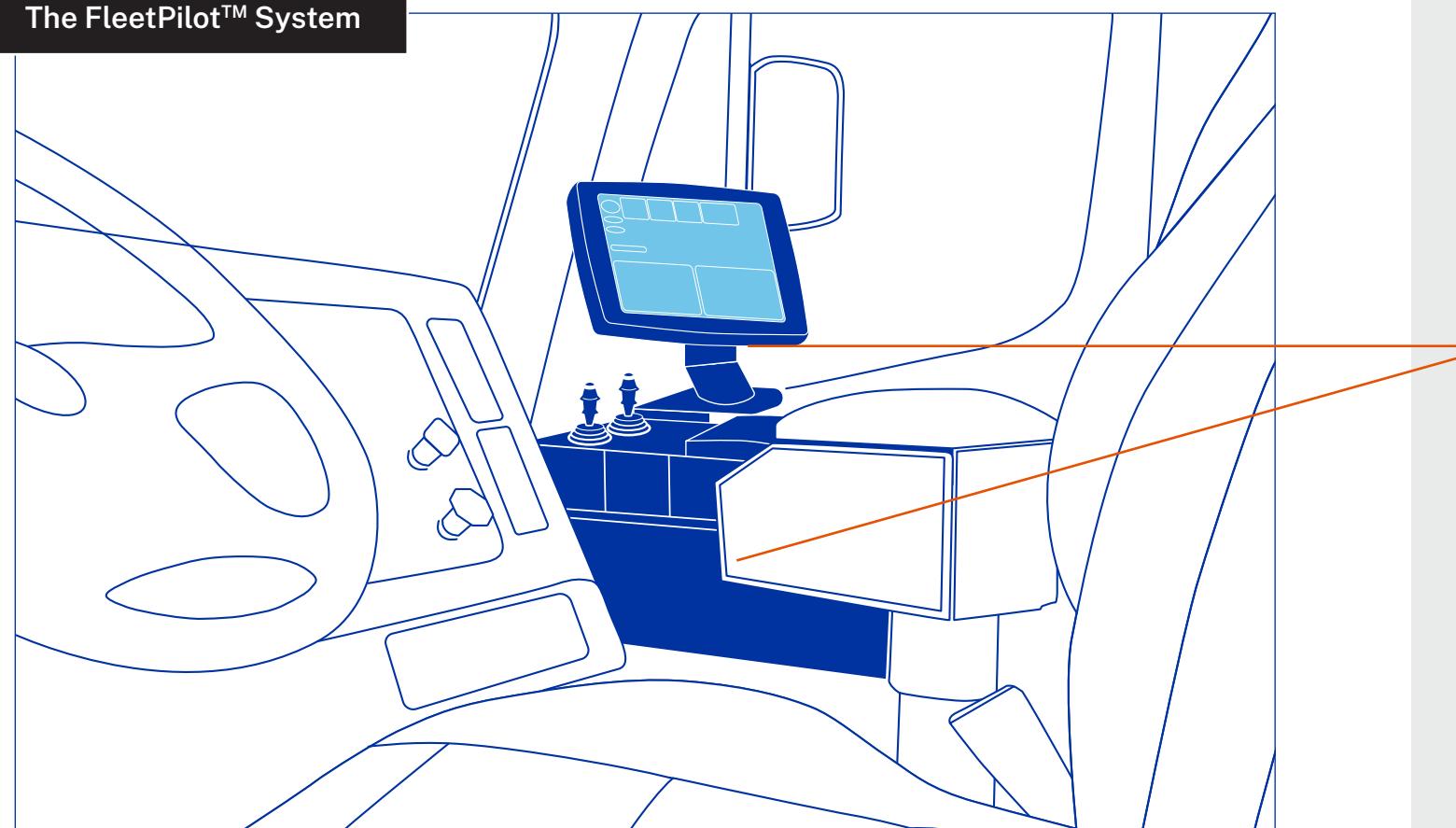
Upgrade any setup, from older vehicles to mixed fleets, with FleetPilot™ technology to scale and modernize your operations, and enhance public safety.



Configure Your Fleet for Every Variable

From expert guidance on fleet vehicle firmware enhancements to ample operator equipment resources, the FleetPilot™ System by Certified Power allows you to configure your ideal system to manage your winter fleet's operational needs in granular detail.

The FleetPilot™ System



A Complete System Backed By Experience You Can Trust

Only Certified Power provides the benefit of working with a single provider who understands every component of the system. Choose a solution built for snow & ice fleet performance with hands-on experience in the field.



**SpreadSmart MAX
Plow & Spreader Control**

Future-proof your operations with SpreadSmart MAX by combining powerful processing, integrated large-screen display options, and versatile joystick configurations.



I/O Control Node



FleetPilot Connect™

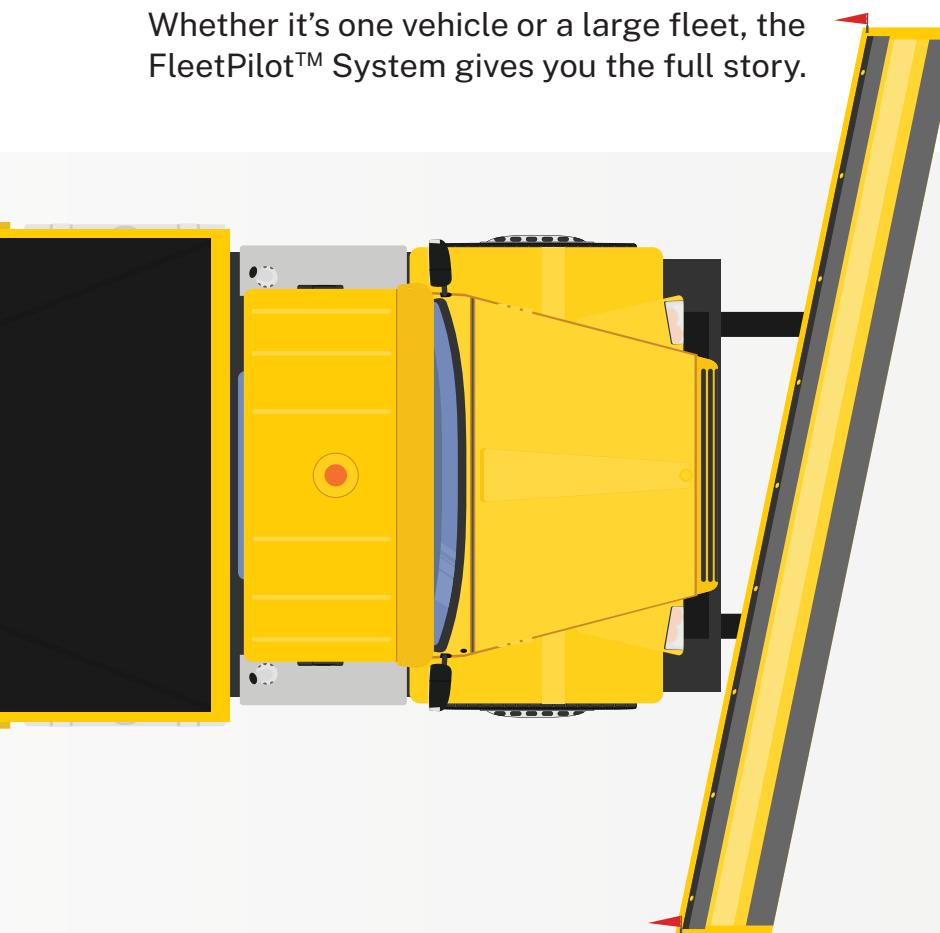
Outfit your snowplow with the new FleetPilot™ I/O control node and intuitive operator panel, enabling soft diagnostics and remote update capabilities.

Equip your fleet with live GPS tracking, cloud telematics with comprehensive plow and spreader data, and the ability to visualize and report on data through an easy-to-use UI.

Stay Ahead of the Weather with FleetPilot™

With the FleetPilot™ System by Certified Power, you can customize your fleet to meet your exact requirements — or you can make incremental upgrades to your existing fleet over time.

Whether it's one vehicle or a large fleet, the FleetPilot™ System gives you the full story.



Integrated, Electronic Control System

SpreadSmart MAX Plow & Spreader Control

SpreadSmart MAX – 10-inch screen

- Advanced system using CAN-bus technology
- Full-feature spreader functions plus dual spreader (tow plow) control
- Temperature-controlled spreading
- Material positioning spinner control
- Dynamic gate control for advanced designs
- Wi-Fi and Bluetooth data transfer compatibility
- AVL ready hardware



Joystick options

- Uni-Grip 4, 6, or 8 button option
- Multi-Stix 2, 3, or 4 joystick option



*system is backwards compatible with SpreadSmart Rx

Mobile Hydraulic Pumps

- Load Sense Axial Piston Pump
 - FEPTO, REPTO or PTO mount
- Gear Pump
- Clutch Pump
- Vane Pump

Valve Assemblies

- Spool Valve
 - Electric, Air or Mechanical Actuation
 - Open and Closed Center Designs
- Modular Manifolds
 - Electric Actuation
 - Load Holding check valves standard

Input/Output Components

FleetPilot I/O

I/O control node – large box and small node options

- High-capacity power distribution
- Simplified cabling
- Redundancy detection safeguard
- Soft diagnostic capabilities



AVL & Telematics

FleetPilot Connect

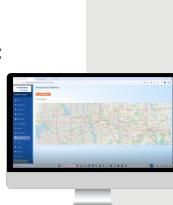
Cell modem

- On-board GPS with live tracking and material dispense data
- J1939 data collection from truck sensors



Cloud telematics platform

- GPS tracking to map truck live locations
- Complete performance snapshots in 5-second intervals
- Full integration with state-specific GIS software
- Custom geofencing tool for precise strategizing
- Notifications for repairs, diagnostics, GPS loss, low battery, and spreader warnings
- Remote firmware, calibration, and configuration updates for spreaders



Hydraulics

Reservoirs and Valve Enclosures

- Stainless Steel or Black Powder Coating
- Separate Reservoir and Enclosure Designs
 - Frame Rail Mount
 - Vertical Behind Cab Mount
- Combination Reservoir and Enclosure
 - Frame Rail Mount
 - Driver or Passenger Side Mount

Power Take-Off

- Electric or Air Shift
- Extended Shaft
- Constant Mesh

Valve Accessories

- Front Plow Weight Control
 - Plow Balance
 - Power Float
 - Single or Variable Settings

Hydraulic Accessories

- Filtration
 - In Tank or Spin On Return Filters
 - High Pressure Filters
- Hydraulic Hose and Fittings
- Cushion Valve, Relief Valve
- Quick Couplers
- Oil Coolers

Certified Power Solutions for All of Your Snow and Ice Removal Needs

With more than 55 years of industry-proven snow and ice experience, Certified Power Solutions has been a long-time leader in the engineering, manufacturing, and distribution of snow and ice hydraulic systems and controls. Certified Power Solutions combines high-caliber engineering talent and expertise with next-level performance and capabilities that can support the changing needs of the most demanding markets — while providing the real-time data insights and reporting that are mission-critical to increasing public safety and vehicle efficiencies — at scale.

Certified Power Solutions engineers and distributes practical, turnkey hydraulics solutions to municipalities, public works, and commercial organizations in the areas that need snow and ice removal solutions the most. They trust us to provide the integrated solutions they need today and ongoing support to keep them going for years down the line.

We want to know what challenges you're up against.

Contact your Certified Power Solutions representative and let's start a conversation.

FleetPilotTM
BY CERTIFIED POWER



YOUR FLEET, YOUR WAY. FleetPilot by Certified Power combines equipment controls, hydraulics, and telematics in one adaptable platform. Built for precision and growth, it easily scales from one vehicle to a full fleet and supports everything from routine work to critical operations.

Explore your options at fleetpilot.com.

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