

FUEL PRICES ARE UP

BRING IT DOWN A NOTCH

idle 1 2 3 4 5 6 7 8

Know the time and fuel efficiency in every notch, including idle.

Fuel Data That Works

**Connect through the PNM-OBN or your compatible gateway.
Build on what you have. Add what you need.**

Bohr Electronics' onboard components monitor fuel consumed, throttle notch, locomotive power generated, and location. Bohr Intelligence brings the data together to provide a clearer picture of individual locomotive performance.



LOCOMOTIVE EVENT ACQUISITION MODULE



Event recorder for throttle notch settings and locomotive operating data.

FUEL MONITORING SYSTEM



Fuel level and consumption data from the tank.

LOCOMOTIVE POWER METER



Megawatt-hours generated by the locomotive.

PRECISION NAVIGATION MODULE/ON-BOARD NETWORK (PNM-OBN)



GNSS positioning, edge processing, and connectivity.



BOHR INTELLIGENCE

Bohr's telematics portal brings locomotive operating data together in clear performance reports, hosted by Bohr, so no back-office is needed.

Put the Pieces Together

Four onboard components. One clear picture of individual locomotive performance. **Your way.**



WHAT CAN YOUR FUEL DATA TELL YOU?

Fuel use is one of a railroad's biggest operating costs, and prices are up. With the right onboard components, your locomotives can show how they're being operated and how efficiently each unit turns fuel into power.



CATCH PROBLEMS EARLY

When a locomotive's fuel consumption starts to diverge from the power it generates, Bohr Intelligence can help identify it, giving your shop an early heads-up.

HOW IT WORKS

1 MONITOR

Capture fuel consumed, throttle notch, megawatt-hours generated, and location data.

2 CONNECT

Send the data off the locomotive via cellular or Wi-Fi through the PNM-OBN or your compatible gateway.

3 THE BIGGER PICTURE

Bohr Intelligence brings the data together in clear reports that show how each locomotive is performing.



EVENT
RECORDER



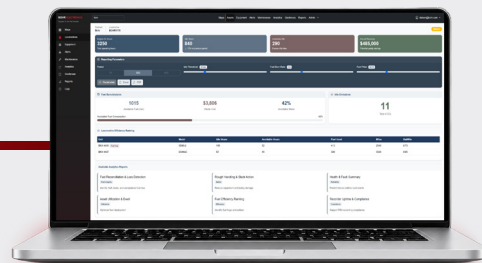
FUEL
MONITORING
SYSTEM



LOCOMOTIVE
POWER METER



PNM-OBN



BOHR INTELLIGENCE

PUT THE DATA TO WORK

OPERATION

Throttle Notch + Fuel

See how much time each locomotive spends in every throttle notch, including idle, and how efficiently it burns fuel in each. Idle hours add up.

PERFORMANCE

Megawatt-Hours + Fuel

Compare fuel use with power generated and expected performance to identify potential inefficiencies over time.

WE CAN
**FILL
THE GAP**

YOU MAY ALREADY HAVE PART OF THE SYSTEM

Monitoring fuel, recording locomotive events, or collecting onboard data? Bohr can work with your compatible equipment and add only the components you need. No complete replacement required.

BOHR
ELECTRONICS

bohr.com

ISO 9001:2015 Registered
AAR M-1003 Certified

START WITH A FUEL DATA REVIEW

Let's look at what you're running today, what data you're collecting, and where Bohr can help.

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CONTACT US