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Mobile 1-to-3 Power Source Demonstration Unit

Forward operations for our warfighters are powered by diesel generators. Fuel for these generators put military personnel at high risk during transport. Single Phase Power Solutions, LLC (SPPS) has created the 1-to-3 Power Source to provide three-phase electrical output from existing single-phase infrastructure, reducing the need to transport fuel through potentially hostile environments.

The solution reduces the amount of combustible fuel required and provides a secure power source that can easily connect to already existing or newly installed single-phase power. The 1-to-3 Power Source delivers cost savings by reducing the need for fuel and associated risk during transport. SPPS aims to design a mobile adaptation of the 1-to-3 Power Source, along with systems for remote monitoring and control. Utilization of the 1-to-3 Power Source in forward operations will reduce dependence on diesel generators, resulting in cost savings as well as decreased risk for warfighters.

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Additional links and technology sketch provided on page 2



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