CHESS

Clean Hybrid Energy Scalable System

Energy for a Global Community

A Future Within Reach

When Thomas Edison first commercialized his carbon-filament light bulb, he did not set out to create one of the greatest inventions since the wheel, he merely saw a need. He sought to improve on the technology that already existed in order to create something that could light up a home with brighter and longer lasting light that came from electricity.

Though the light bulb Edison first started with may seem simple in design, the ingenuity that it represented has made the light bulb one of history's greatest inventions, all because one man saw the need for light.

At JetStream, we see a need as well, in developing countries where the struggle to urbanize prevents many rural families and workers from accessing the comforts many of us enjoy on a daily basis. In Southern Asia and Sub-Saharan Africa, an estimated 23-25% of rural areas have access to sanitation facilities, meaning that nearly three fourths of families can't get clean water, sufficient plumbing, heat, light their homes, or cook with water that does not contain disease. But improving the quality of life for such large areas is a complex process that involves hundreds of variables like infrastructure, housing, employment, sanitation, food services, transportation and even water distribution. It's easy to allow such a difficult and convoluted process to become overwhelming, until you address the problem from its foundation. Regardless of which variable you look at, nearly all of them require the very same electricity that powered Edison's light bulb all those years ago.

*The **Clean Hybrid Energy Scalable System (CHESS)** advanced power generation system provides mobile and installed solutions to deliver electricity for essential power needs in developing areas.*

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Infrastructure requires power grids, roads, bridges, water, and buildings that draw on electricity to provide heating, light and to power equipment. Homes and businesses have very high electricity demands to support the families and workers they employ, and in many developing areas this power is either environmentally hazardous or expensive.

Sanitation services commonly use electrical power to clean and filter water, food services require power for creating, storing and cleaning items like fruits and dairy products. Transportation and water distribution services follow this same pattern, which means that if you boil it down to something as basic as a clean power source, you can begin to solve some of the larger and more complex issues. CHESS is a solution that starts with the root of the problem; clean, sustainable energy that can be used for hundreds of variables like infrastructure, housing, employment, water distribution sanitation, food services, and transportation.

JetStream's contribution to help with global growth and development starts with recognizing a need at its most basic level. CHESS harnesses clean, renewable and sustainable energy, turning a complicated and multi-faceted problem into a reachable future. It helps people improve quality of life and enter into community with other parts of the world by starting at the foundation, and building up.

JetStream, like Edison, sees innovation and technology as a means to bring light and life to those around us, be they next door, or around the globe. We're not saying that our innovation is one of history's most beneficial ideas, but then again, neither did Edison.

To find out more information on the CHESS clean independent energy family of products contact JetStream at
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