

Pneumatic wind cannon converted into generator

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A miniature pneumatic energy generator based on pressure fluctuation in a vortex sheet is developed. The energy is harvested from Kármán vortex street behind two bluff bodies in tandem ...

Like the Vortex Gun, the Wind Cannon was also developed by a factory in Stuttgart during the war. It was a type of gun that would eject a jet of compressed air ...

The micro-compression turbines further compress the air and transfers mechanical energy to a generator. The housing redirects excess air back into the system.

In this video, watch as John Park, from Maker Workshop, takes an old treadmill motor and some PVC pipe and in just a short time turns them into a ...

I've taken on a new project involving the conversion of a windmill. We'd like to convert an old Aermotor windmill to generate some small amount of electricity. Were hoping to maybe be able to ...

This is an air cannon that I designed. It is made completely of very simple PVC parts, a sprinkler valve, and a blow gun nozzle. It can also make really cool noises!

Electrical power is something we often take for granted in our aircraft, but if we ever find ourselves in an aircraft experiencing an electrical failure or ...

We are compiling an ever growing resource for air cannon plans that you can use for selecting and building the air cannon of your choice. These plans are ...

While pneumatic cannons do utilize energy (stored compressed air), they're essentially energy transmitters rather than generators. It's like comparing a water pistol to a hydroelectric dam - both ...

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The wind cannon generated "slugs" of compressed air using the combustion of a 2:1 mixture of hydrogen and oxygen obtained from the electrolysis of water inside of a long barrel that was bent at one end. These blasts were intended to rack and strain the frame of enemy aircraft to the point of breaking or at the very least making difficult for pilots to maintain control of their aircraft, causing them to crash. According to Hogg, while Zippermayr's idea was sound in theory, it was better suited for a laboratory scale model th...

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