

Companies Announcement Office  
ASX Limited  
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## **CFOAM - DOE AWARDED PROJECT UPDATE**

CFOAM Limited, CFOAM Corp (74.34% owned by CFOAM Limited, 25.66% owned by CONSOL Energy Inc) and its operating entity CFOAM LLC, Triadelphia, West Virginia, (CFOAM) wish to provide the following update:

- Following successful trials, the 68' long belt continuous kiln was acquired and has now been relocated from North Carolina to Triadelphia
- Key purchase orders for a nitrogen generator absorber system and gas fired-incinerator/thermal oxidiser have been placed
- Work has commenced on utility upgrades and operating permits for the new facility
- Further work is required to reconnect services and install equipment with a target completion date for this work being in the June quarter
- Commissioning planned for the September quarter
- R&D work continues





**DOE Project:**

The United States Department of Energy’s (DOE) Office of Fossil Energy (FE) has awarded the CFOAM proposal for “Continuous Processing of Carbon Foam Products Made from Coal at Atmospheric Pressure” (or CFOAM Project) for a total project value of **US\$2,421,802 commencing 1 January 2021**, including DOE funding of US\$1,923,680 with CFOAM being approximately US\$1.523 million and cost share from CFOAM and CONSOL Energy Inc of US\$498,122.

This CFOAM Project will target applications capable of utilizing carbon foam at large scale, **transforming coal to carbon products**, with the potential for significant cost savings and consequently the ability to penetrate more competitive applications where volume and cost are paramount (e.g. building applications).

## **CFOAM PROJECT OBJECTIVES – COAL TO CARBON PRODUCTS**

The objective is to create a continuous manufacturing process for carbon foam that operates at atmospheric pressure and can generate well-formed carbon foam panels and lightweight aggregates.

A successful outcome would:

- 1) significantly reduce the cost to manufacture carbon foam through reductions in capital and labour costs,
- 2) significantly reduce the cycle time to manufacture carbon foam from weeks to hours, and
- 3) enable the manufacture of much larger volumes of carbon foam.

**All of these features will enable carbon foam to enter much larger markets and create meaningful demand for U.S. coal.**

*This ASX release has been approved for release by Gary Steinepreis on behalf of the Board of Directors*

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## **About CFOAM Limited**

CFOAM® products are an inorganic carbon material that is manufactured from coal, pitch or lignin feedstock. CFOAM® products manufactured in this process have a rigid foam structure, similar in appearance to pumice stone, but with entirely different properties. CFOAM® products are currently used across a wide variety of markets including composite tooling for the aerospace sector, energy absorbing applications and defence applications. Additional markets such as automotive applications for energy absorption and fire resistance are also expected to become significant to the Company over time.

CFOAM® products were developed to meet the growing demand for ultra-high-end performance engineering materials in the industrial, aerospace, military and commercial product markets.

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## ASX ANNOUNCEMENT

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