

Written Statement of: ri  
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**CEO, REDWORKS.**

Before the:  
**Committee on Economic Development, Tourism & Technology**  
March 15<sup>th</sup>, 2017  
13:15  
State Capitol, Conference Room 414  
In Support of  
**HB1326-HD2: Relating Workforce Development.**

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To the Members of the Committee on Development, Tourism & Technology;

I am writing to ask for your support of HB1326-HD2.

The work that PISCES has been conducting with regards to different uses and applications of basalt could have a strong positive impact on the state's economy and potentially lead to the creation of a new industry: basalt fibers and derivative products. This research into In-Situ Resource Utilization technology is what attracted RedWorks to PISCES, and it is our hope that through your support of PISCES' continued work in Basalt-based construction technology, Hawaii will signal its position as a center for innovation.

RedWorks is working to develop on-site 3d printing construction products as a means of reducing construction costs and environmental impact. To these ends, we encourage you to give PISCES your full support to continue developing Hawaii's own capabilities toward hyper-local basalt-based construction materials. Both of our organizations are working to introduce new construction solutions that would drastically reduce the need for material imports for construction projects. This should be of chief concern for Hawaii given the state's reliance on imported goods, but also because it offers the chance for Hawaii to become a source for American-made basalt fiber. Presently, basaltic fibers are manufactured primarily in China, Russia, and Korea, with no domestic production in the US. They can be used to make products such as rebar, fabric, mesh, rope, and aggregates to strengthen concrete. Moreover, Basalt fibers do not corrode, making them ideal for wet and humid environments in the tropics.

RedWorks believes that the future of construction and manufacturing is local, and states who lead the way in encouraging the development of these technologies will benefit with stronger economies, new business, and job opportunities that will improve the lives of your state's residents for the long term.

We strongly support HB1326-HD2 and ask you for your support of this Bill.

Thank you,



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