

**TOSHIBA EUROPE LIMITED**

Bristol Research & Innovation Laboratory  
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29<sup>th</sup> March 2022

Katherine Bennett, CBE  
Chair of the Western Gateway

Dear Katherine,

**Re: Western Gateway - 'Severn Edge' STEP Fusion Project**

Toshiba Bristol Research and Innovation Lab would like to express its strong support and interest in the proposed Severn Edge STEP fusion project proposal.

As you know, Nuclear Technology is a major component of the Toshiba business. Toshiba Energy and Systems & Solutions Corporation has been contributing toward achieving a carbon-neutral society by researching and developing state-of-the-art energy technologies. It has been participating in domestic and international projects, such as JT-60, JT-60SA, and ITER, since the 1970s, since the early days of nuclear fusion research. The more recent achievement of Toshiba related to this includes "delivering its Second Manufacture of One of World's Largest Toroidal Field Coils for ITER. (<https://www.global.toshiba/ww/news/energy/2021/11/news-20211115-01.html>)

Toshiba Corporation is one of the world's largest manufacturers of electric and electronic facilities and equipment ranging from power generation and distribution, wireless and broadcast communications, semiconductor devices, and consumer electronic items such as televisions and laptops. The corporation has a proven track record of more than 140 years as a technology pioneer and continues to this day to invest in cutting edge research, principally through its Corporate Research Laboratories in Kawasaki, Cambridge, Beijing and Bristol.

Toshiba Corporation established Toshiba Research Europe in the UK in 1998. Bristol Research and Innovation Lab in the heart of Bristol has enjoyed a productive and collective relationship with UK academic, governmental and industry organisations. At Bristol, we conduct research and development looking at the intersection of Energy and Digital domains exploring many enabling technology areas covering communications, control and instrumentation for industrial systems, robotic and autonomous systems and the industrial Internet of things. Toshiba Bristol has delivered a large Industrial IoT R&D network in the south Gloucester area and we are currently involved in several projects in the UK looking at topics such as robotics for nuclear decommissioning and the application of sensing for the nuclear sector.



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We see the 'Severn Edge' STEP Fusion Project as a really exciting opportunity for Toshiba Energy business and Toshiba Bristol research lab to extend its current activities in the region. It will not only help the research, development and testing of technology but also help train much needed workforce needed in the nuclear sector. We wish you the very best of luck in your endeavour to develop this very exciting and ambitious programme and looking forward to playing an active role in this.

Yours Sincerely,



Mahesh Sooriyabandara  
Managing Director  
Toshiba Europe Ltd - BRIL