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**Senator Jeff Merkley visits Focal Technologies, Inc.
*New solar technology provides new avenue for clean water***

(Portland, OR) Senator Jeff Merkley and staff visited Focal Technologies, Inc on November 2nd to view the company's new Ray Solar Remediation System. The technology is of interest to the Senator as it represents an energy efficient and carbon neutral option for the remediation of toxic chemicals and harmful bacteria. The system is a breakthrough development for remediation and solar industries, and represents a category of technology that recent infrastructure and climate legislation was intended to promote and support.

The senator's visit comes after President Biden's landmark Inflation Reduction Act was signed into legislation in August of this year. This bill will devote \$369 billion into climate and energy provisions, with the ultimate goal of reaching net-zero greenhouse gas emissions by 2050. The new and expanded tax credits for low-carbon technologies will help producers switch to lower-emission sources of energy.

Ray harnesses the power of the sun to eliminate toxic chemicals and bacteria. It is the first system to use solar light for photocatalysis, the well documented process through which UV attacks the carbon bonds that hold molecular structures together. By concentrating the UV rays from the sun, Ray is able to achieve intense breakdown at a low cost. University research described Ray as working 3- 4 orders of magnitude faster than catalysts driven by UV lamps. It performs better than conventional energy intensive UV light systems, with virtually no carbon foot print.

Focal's Ray™ unit is capable of cleaning the bacteria and carbon compounds found in runoff from agricultural facilities and processors, landfills, industrial sites and breweries. The senator was especially interested in the vital role Ray™ could play in aiding Oregonian farmers struggling to irrigate their crops in the wake of the Klamath water shutoff announced by the U.S. Bureau of Reclamation in August of this year. He also thought it showed great potential to help aid overseas military operations.

Focal Technologies is a member of Oregon's growing sustainable manufacturing ecosystem, and has received investment from SWAN Impact Network, VertueLab, E8 renewable investors and others. They can be found at www.focaltechnologies.com or @focaltechnologies and @Focal_Tech1 on Instagram and Twitter.



Pictured is Senator Jeff Merkley with Focal Technologies Inc.'s CEO Eric Steinmeyer and COO Don Megrath in front of the Ray™ unit.