

# REDUCE THE CARBON FOOTPRINT OF YOUR CLOUD-NATIVE WORKLOADS NOW

## Erik Riedel, PhD Senior VP, Engineering | ITRenew

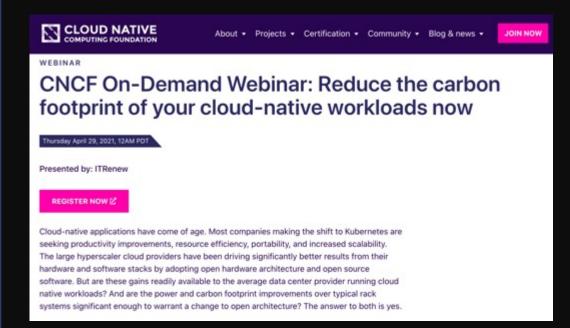
@RiedelAtWork

Andy Randall @andrew\_randall Chief Commercial Officer | Kinvolk

#### CNCF Member Webinar

### Reduce The Carbon Footprint of Your Cloud-Native Workloads Now

#### 29 April 2021



Cloud-native applications have come of age. Most companies making the shift to Kubernetes are seeking productivity improvements, resource efficiency, portability, and increased scalability. The large hyperscaler cloud providers have been driving significantly better results from their hardware and software stacks by adopting open hardware architecture and open source software. But are these gains readily available to the average data center provider running cloud native workloads? And are the power and carbon footprint improvements over typical rack systems significant enough to warrant a change to open architecture? The answer to both is yes.

Join Erik Riedel of ITRenew, and Andy Randall of Kinvolk, to learn about reducing your carbon footprint and achieving better computing economics for your cloud-native workloads today.



Photo by <u>Tim Mossholder</u> from <u>Pexels</u>



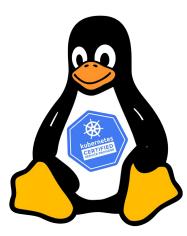
# OPEN.

Yes, We're

Open

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## Kinvolk – the power of community







## Expertise

**Deep-stack Linux and** 

**Kubernetes** 

## Values

**Contributing** > Consuming

**Cooperating** > Competing

**Community** > Product

Welcoming > Excluding

## Mission

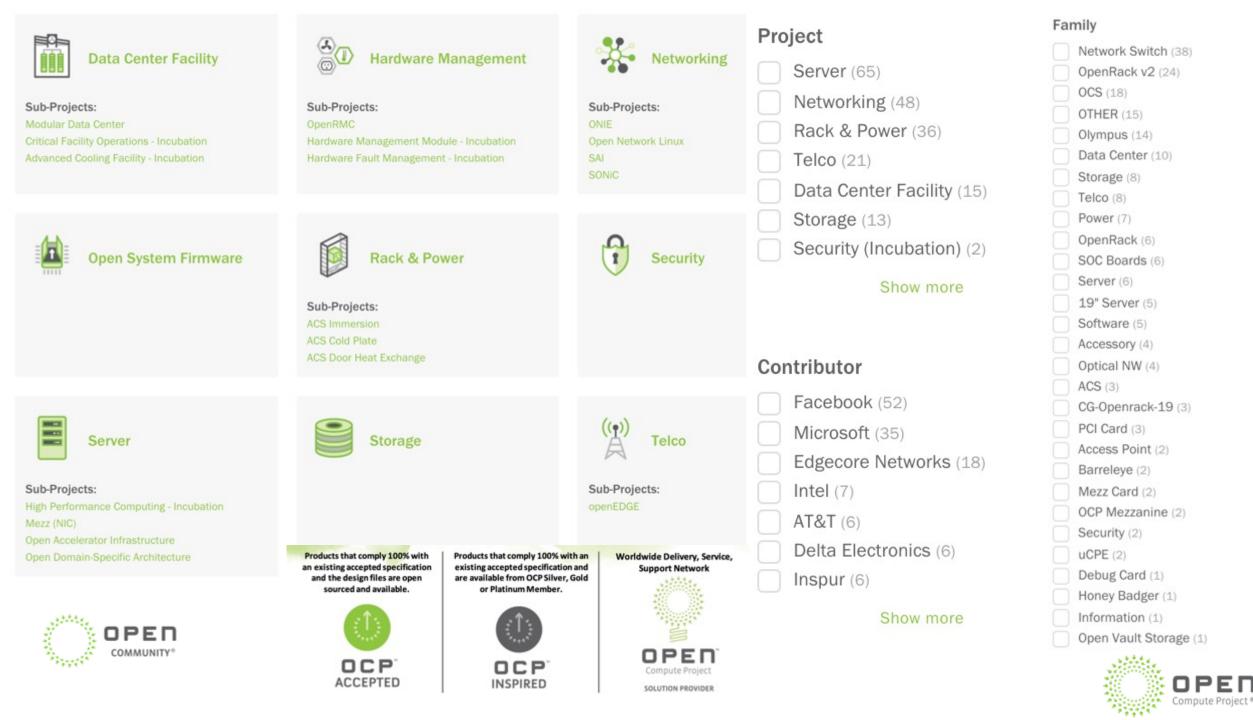
To build and promote a

100% open source

enterprise-grade

Cloud-Native stack







## Hardware Clusters











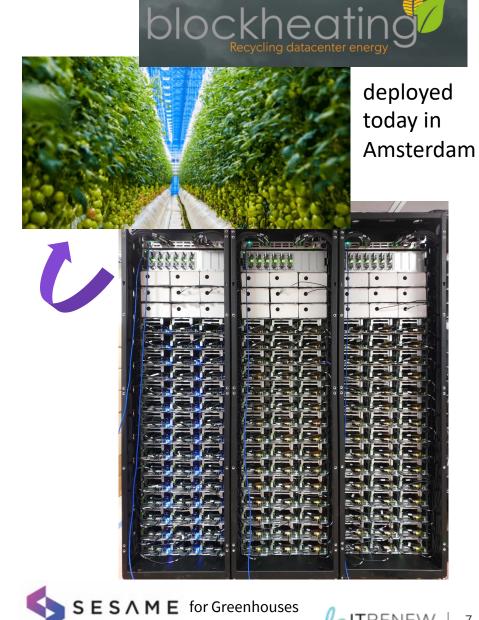
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internal TOR switches (2x)			
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compute compute	compute compute	compute compute	
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compute compute compute storage storage	compute compute compute storage storage	compute compute compute storage storage	

power zone AA

up to 48 nodes

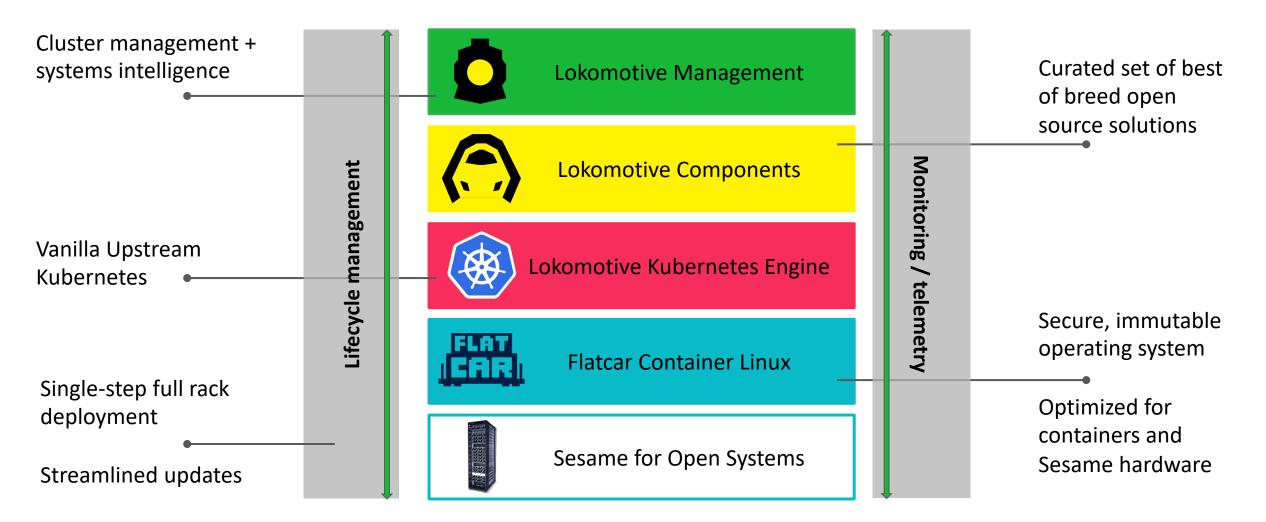


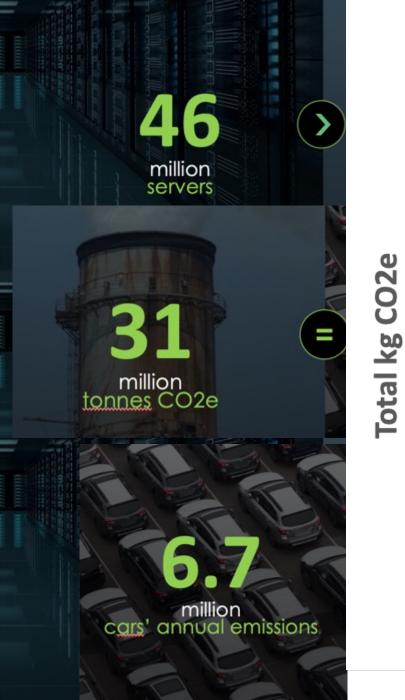


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# The Open Cloud Native Stack for Sesame





#### 9-Year Total kg CO2e Comparison

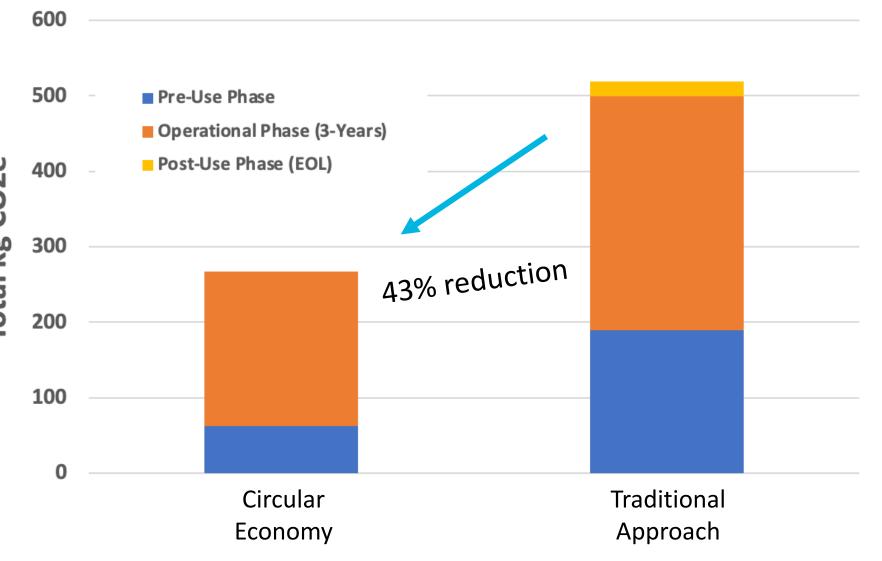






Photo by Paul Carroll on Unsplash

# CALL TO ACTION

#### CHECK US OUT ON OUR WEBSITE:

www.itrenew.com/sesame www.itrenew.com/resources



Watch Video: Sesame By ITRenew

#### QUESTIONS OR COMMENTS, REACH US:



@RiedelAtWork



/in/er1p

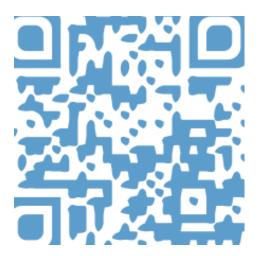




engineering leader, do-er, & creator @itrenewinc; pursuing sustainable #innovation; democratizing tech; #inclusive teams; german in the US; thinking big; he/him

💿 Boston, MA 🔗 twittter.com/er1p 🔠 Joined September 2016

4,877 Following 1,049 Followers



https://github.com/SesameEngineering

