

<b>QUICK SCAN REPORT</b>	<b>Technology name</b>	<b>JIMCO KPC</b>
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DANETV Verification Body		Proposer	
Name:	FORCE Technology	Name:	JIMCO A/S
Contact:	Ole Schleicher	Contact:	Jimmy K. Larsen
Address:	Park Allé 345	Address:	Ellehaven 4 A
	2605 Brøndby		DK-5900 Rudkøbing
	Denmark		Denmark
Telephone:	+45 43 26 75 40	Telephone:	+45 62 51 54 56
E-mail	<a href="mailto:osc@force.dk">osc@force.dk</a>	E-mail	<a href="mailto:jkl@jimco.dk">jkl@jimco.dk</a>

Quick scan started		Previous quick scan				
Date:	1 October 2012	Yes		Date	No	X

Technology description							
<p>The KPC is a unit installed in cooking hood right after the grease knout filters, which treats the ventilation air with ultraviolet light in the C band (UV-C). The UV light starts to break down grease and oil molecules, and ozone generated by the UV radiations continues this process. The results are a prevention of grease and oil deposition in the hood and ducts, and a reduced emission of odour and particles (oil and grease mist).</p>							
Product ready to market				Technology in last development phase			
Yes	X	No		Yes		No	X
Performance claims							
Matrice(s)	Ventilation air from commercial kitchen cooking hood						
Purpose (s)	Reduction of grease and oil deposits in ducts and emission of odour and particles						
Previous test performed							
Test body	Analytical Laboratories PTE. LTD.						
Test reports provided to DANETV	<ol style="list-style-type: none"> <li>1. Oil mist (as toluene) assessment for BBQ and tandori cooking hoods inlet and outlet of JIMCO UVC-Ozone air treatment system at Tanglin Club. May 2012 Report No. AC/ES/3696/12.</li> <li>2. Oil mist (as odour) assessment for cooker hood exhaust inlet (before) and outlet (after) of genmech JIMCO UV filtration system. July 2008. Report No. AC/ES/4622/08.</li> <li>3. Source emission monitoring for domestic cooker hood. May 2002. Report No. AC/ES/3710/02.</li> </ol> <p>Some additional reports on the performance of the technology have been provided by the proposer, but they are from industrial installations, which are different and not directly comparable to the KPC units.</p>						

Evaluation by DANETV verification body							
Technology description clear				Technology claims clear			
Yes	X	No		Yes	X	No	
<b>Existing test data</b>							
Tests performed				Test body qualified			
Yes	X	No		Yes		No	X
Test report available				Test report qualified			
Yes	X	No		Yes		No	X
Test methods available				Test methods adequate			
Yes	X	No		Yes		No	X
Raw data available				QA of raw data adequate			
Yes		No	X	Yes		No	X
Performance claims sustained				Performance claims relevant			
Yes		No	X	Yes		No	X

Conclusions quick scan (incl. estimated cost range for a verification)
<p>It is anticipated, that verification can be performed by testing the technology on an existing commercial kitchen cooking hood in a restaurant. The proposer has suggested installing the technology in the kitchen hood in a MacDonald restaurant; because they exist all over the world, all restaurants look alike and they cook almost the same variety of meals every day in all restaurants.</p> <p>The estimated budget for such a verification is 60 000 €.</p>

Date	Name	Signature
1 October 2012	Ole Schleicher	