

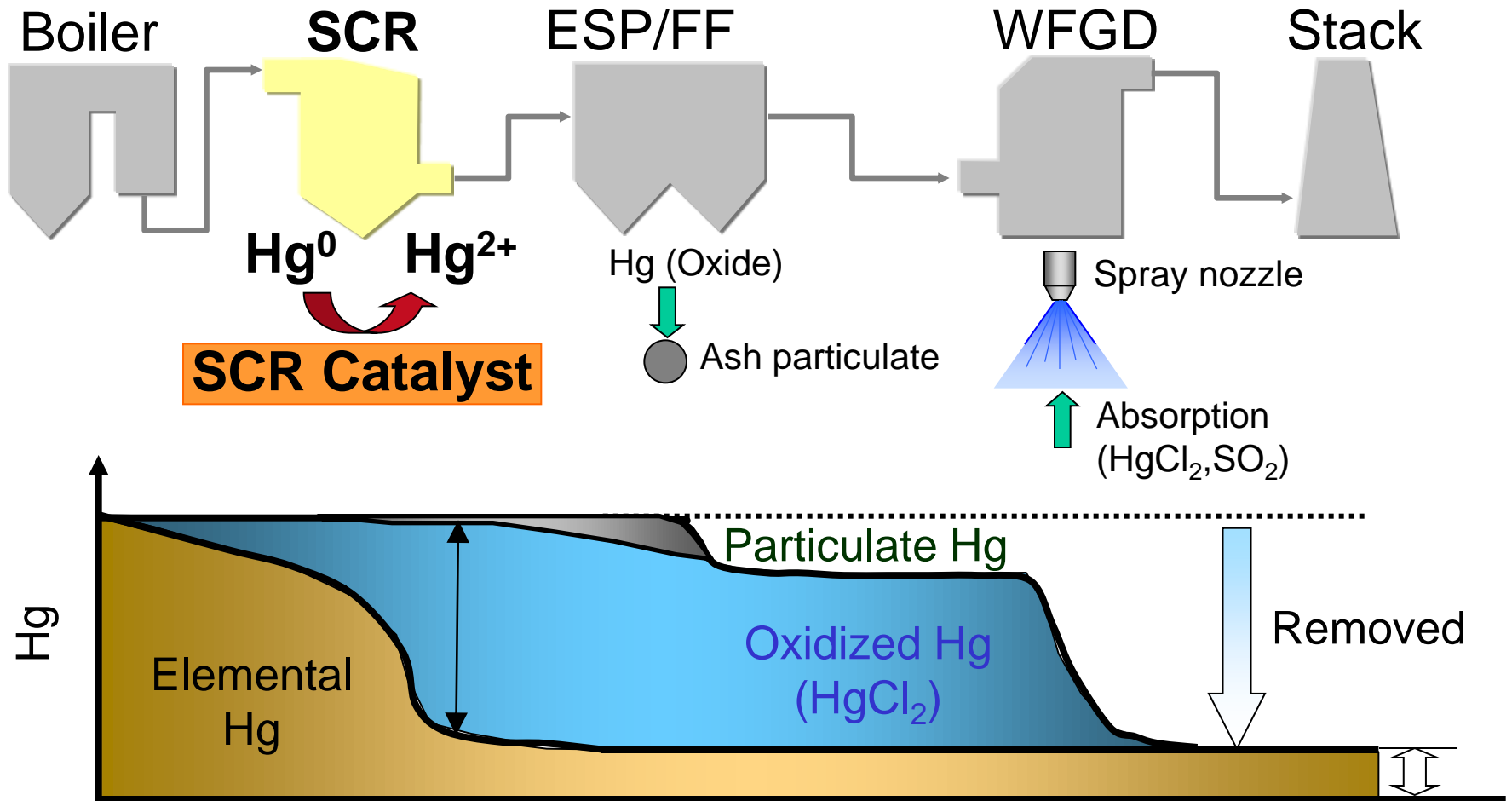
MHPSA Hg Oxidation Catalyst

Mitsubishi Hitachi Power Systems America – Energy and Environment, Ltd.



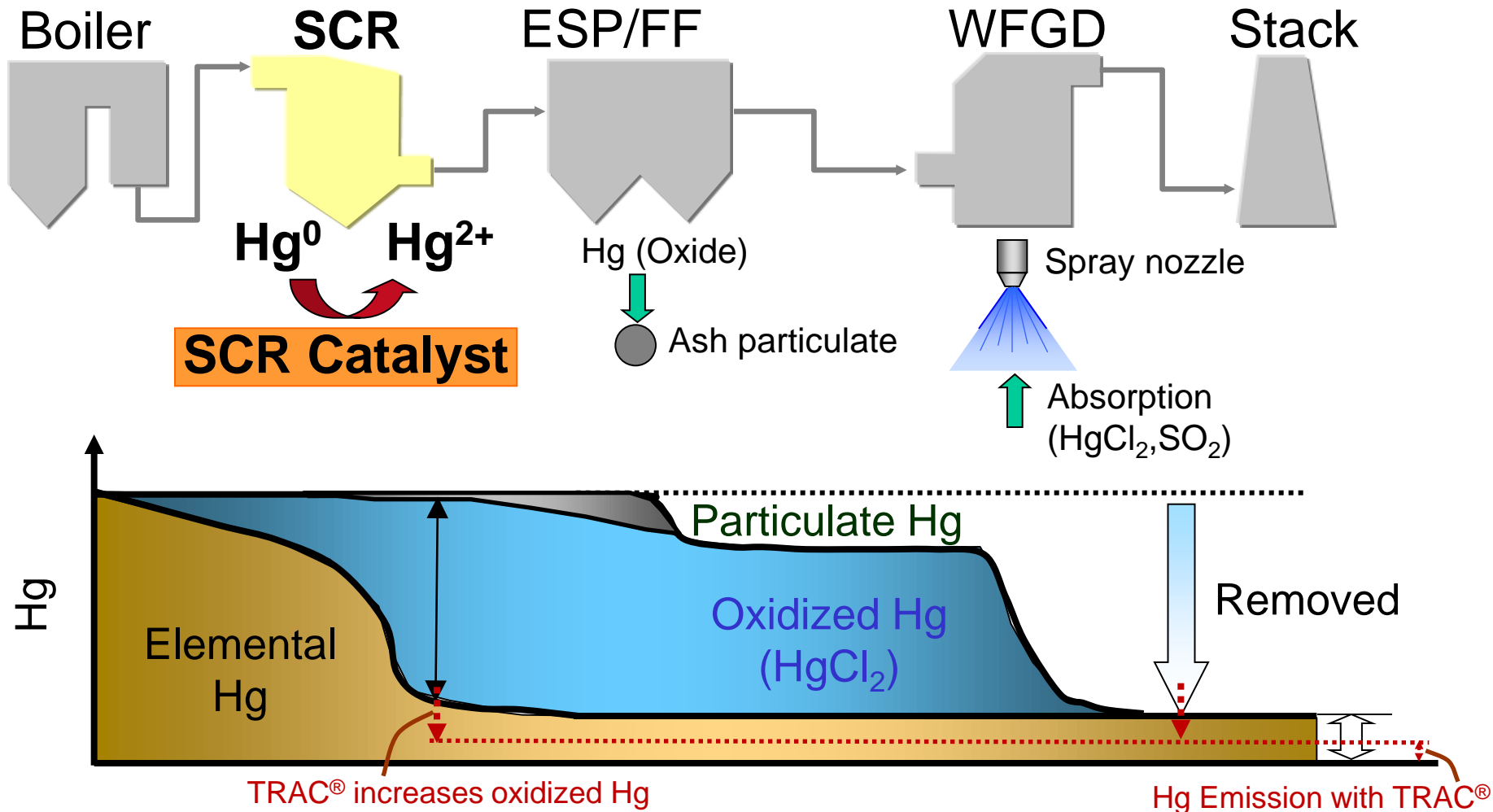
MITSUBISHI HITACHI POWER SYSTEMS AMERICA – ENERGY AND ENVIRONMENT, LTD.

SCR + FGD Co-Benefit with TRAC[®] Catalyst



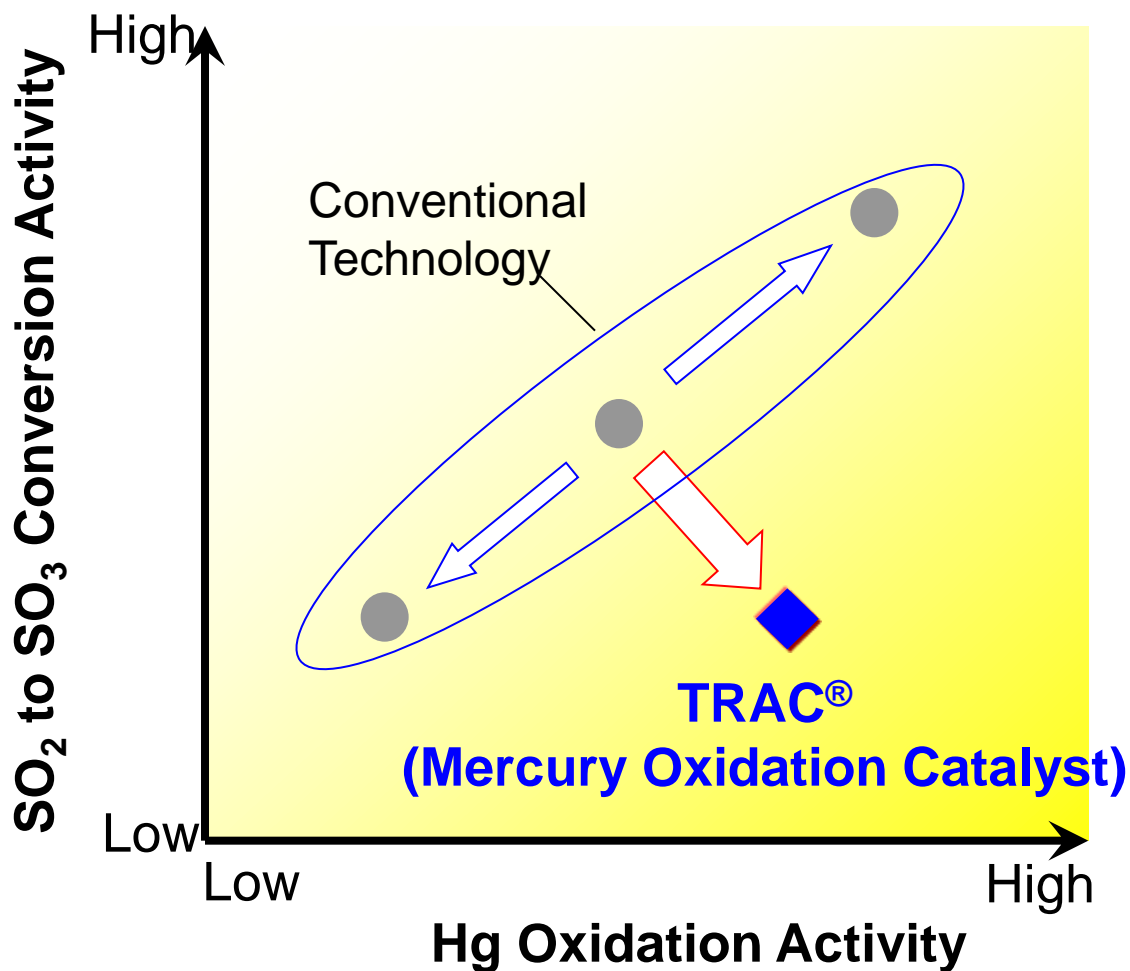
SCR catalyst is a key component for mercury oxidation

SCR + FGD Co-Benefit with TRAC[®] Catalyst



SCR catalyst is a key component for mercury oxidation

TRAC[®] - Mercury Oxidation Catalyst



TRAC[®] Has Higher Hg Oxidation & Maintains Low SO₂ Conversion

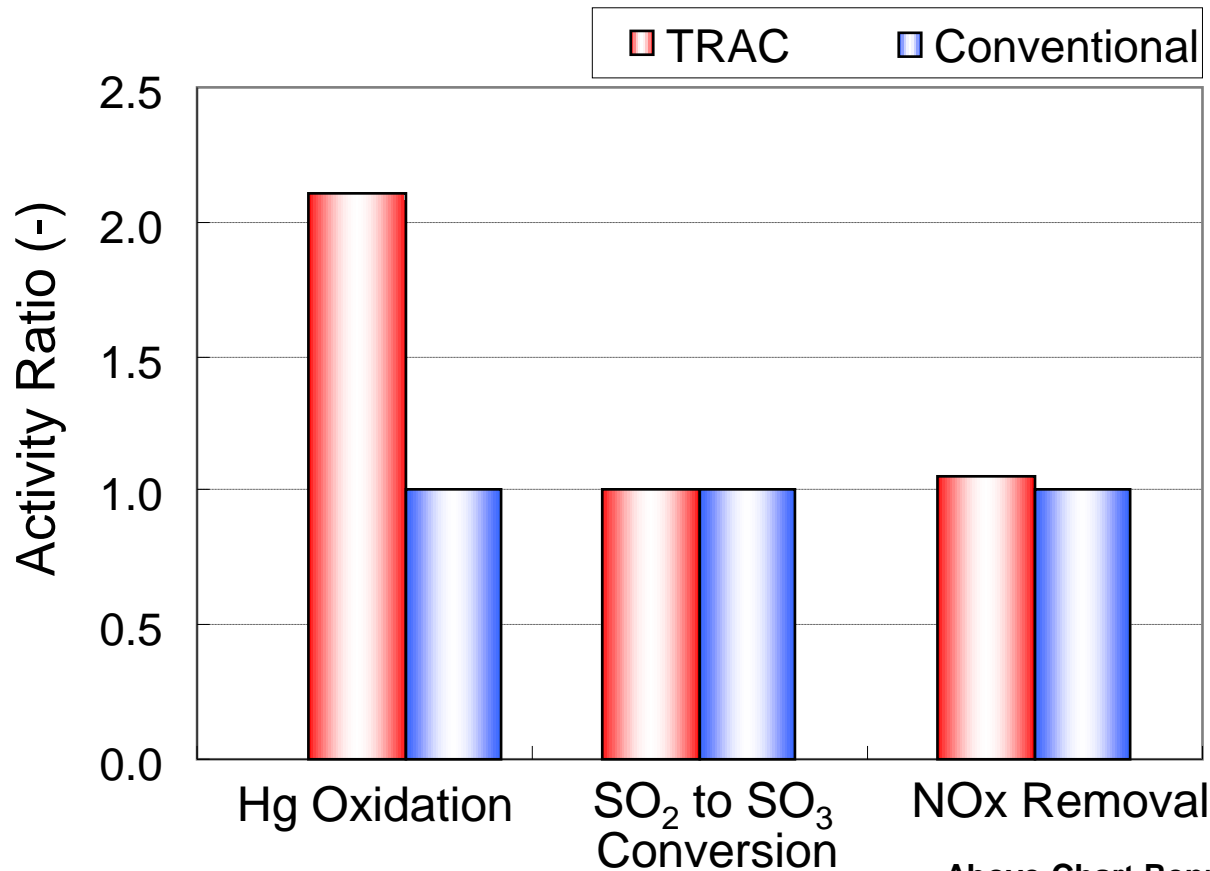
Relative Performance of TRAC[®]



1st High Mercury Oxidation

2nd High DeNOx Performance

3rd Low SO₂ to SO₃ Conversion



Above Chart Represents Typical Results

Update on TRAC® Installations for Hg Oxidation



Owner	Plant	MW	Coal	Supply
A	Plant A	640	PRB	2008
B	Plant B	550	Bituminous	2010
Southern Company	Miller Unit 1	735	PRB	2011
Southern Company	Miller Unit 2	735	PRB	2011
Southern Company	Barry Unit 5	773	Bituminous	2011
AEP	Mountaineer Unit1	1,300	Bituminous	2011
Southern Company	Bowen Unit 3	950	Bituminous	2011
AEP	Cardinal Unit 2	600	Bituminous	2012
C	Plant C	800	Bituminous	2012
Southern Company	Hammond Unit 4	537	Bituminous	2012
Southern Company	Gaston Unit 5	910	Bituminous	2012
Southern Company	Bowen Unit 4	950	Bituminous	2012
LG&E	Ghent Unit 4	556	Bituminous	2013
Tucson Electric Power	Springerville Unit 3 (2 Layers)	400	PRB	2013
Southern Company	Scherer Unit 4	923	PRB	2013
Southern Company	Miller Unit 1	735	PRB	2013
Southern Company	Miller Unit 2	735	PRB	2013
Southern Company	Bowen Unit 2	756	Bituminous	2014

Installations of 19 Layers of TRAC® Catalyst, 10 more layers planned for install in next year



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