Energy/Environmental Challenge Helping Customers Use Less, Emit Less



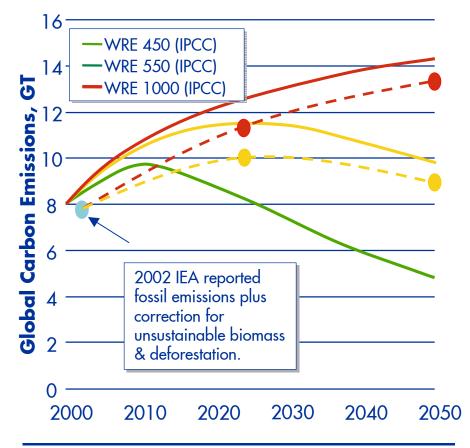
ATHENS 5 May 2011

AGENDA



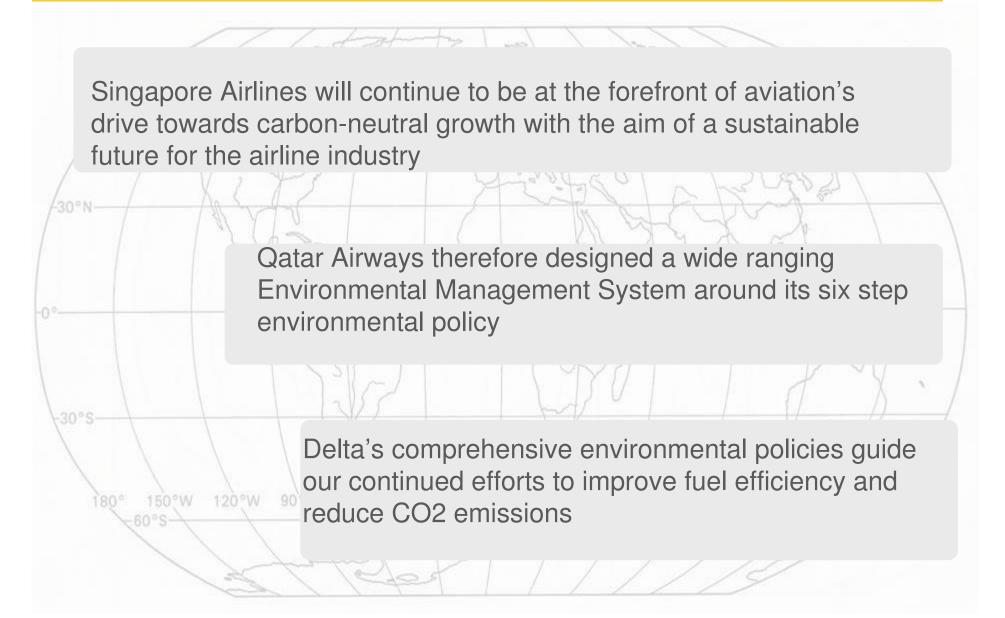
GLOBAL CO2 EMISSIONS NEED TO BE REDUCED

- Demand for energy is expected to double by 2050
- General consensus is that C02 emissions will increase and we need to reduce CO2 emissions
- While governments continue to debate how best to tackle CO2, there is much we must do now.



Theoretical carbon emissions profiles published in IPCC 3rd Assessment Report

AIRLINES ARE RESPONDING (off the www)



IATA IS RESPONDING

IATAs Four Pillars



SHELL IS RESPONDING – FOR ITSELF + CUSTOMERS



EFFICIENCY OF OPERATIONS

CO2 CAPTURE AND STORAGE

HELPING CUSTOMERS

NATURAL GAS

BIOFUELS

USE LESS

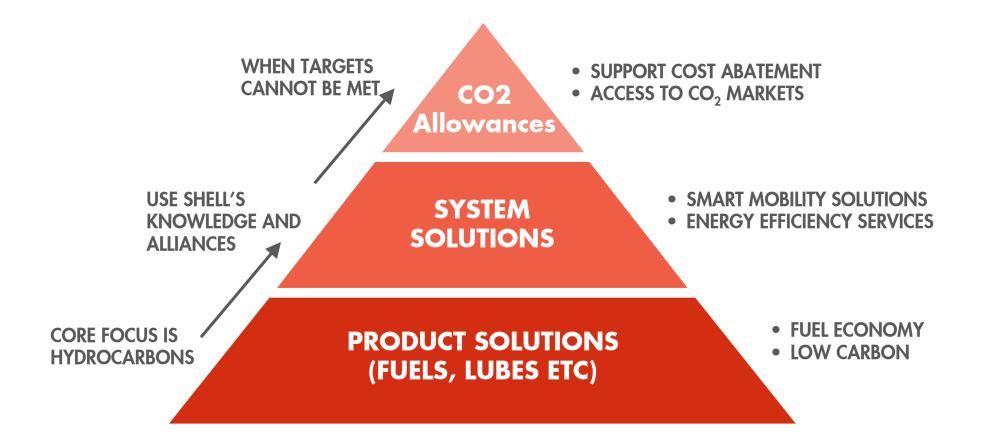
Customer drivers

- Growing global energy demand
- Energy Security / Supply challenges
- Growing CO2 emissions
- Regulatory systems
- Retailer, competitive pressures

Critical customer growth enabler

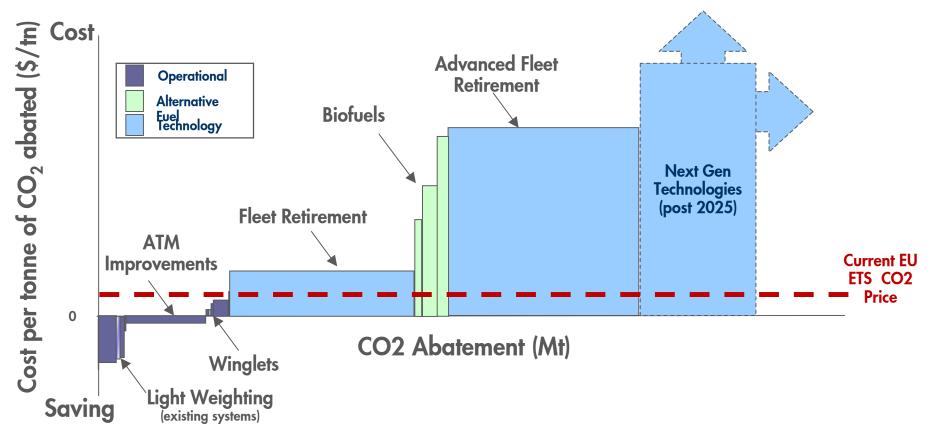
CVP'S THAT HELP CUSTOMERS EMIT LESS CO₂ VALUE TO CUSTOMER

OUR INTEGRATED APPROACH WITH CUSTOMERS



NO ONE SOLUTION WILL BE SUFFICIENT TO REDUCE CO2





Sources: Shell modified

NO EASY SOLUTION

Longer Term: Bio Fuels / New Technology

Medium Term: Fleet Replacement etc

Short Term:

Light weighting +



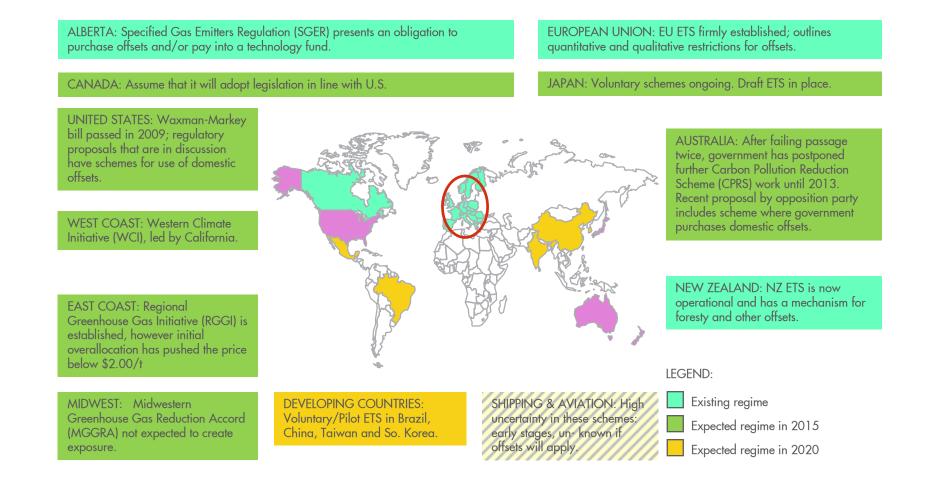


International Response and Regulation:

Shell International Trading and Shipping Company Ltd

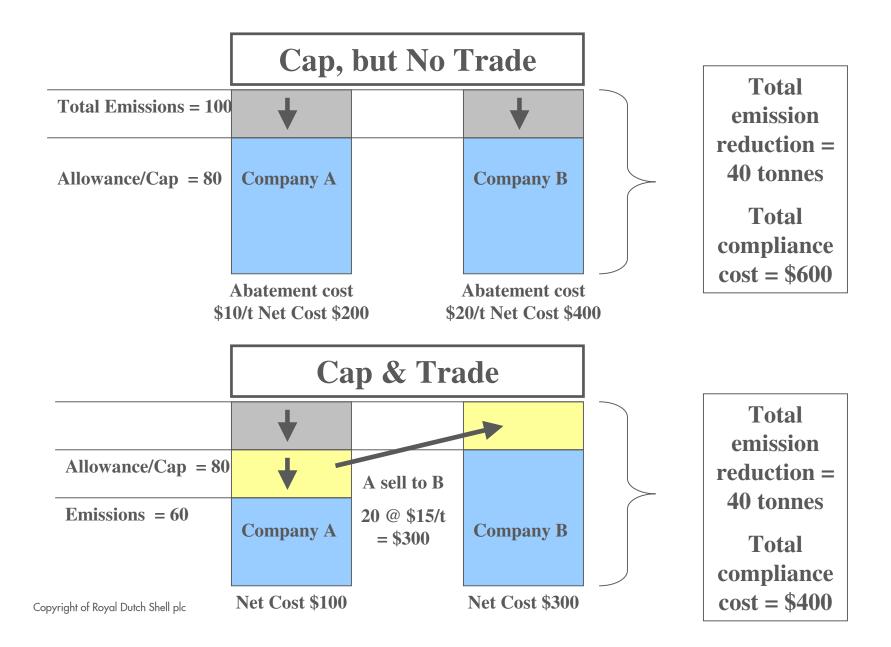
CONFIDENTIAL

Global Development of Carbon Markets



Regulatory schemes are have become more diverse and don't appear to be developing in a way that will quickly converge into a global carbon market. However, regulatory schemes appear to be considering offset as a mechanism to allow for regulatory flexibility and price regulation.

How does a Cap & Trade scheme work?



Aviation's inclusion EU ETS

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KEY FEATURES OF AVIATION'S INCLUSION IN EU ETS

FLIGHTS COVERED

- All flights departing or arriving at an EU or EEA EFTA Member State (Iceland, Liechtenstein, Norway).
- Does not cover flights just 'flying over' EU/EEA EFTA Airspace.



Commercial Air Transport Operators that meet the below rules are exempted from the EU ETS:

Less than 243 flights per period for three consecutive fourmonth periods.

OR

Flights with total annual emissions < 10,000 Tonnes per year.

KEY FEATURES OF AVIATION'S INCLUSION IN EU ETS



Certain flights transporting Heads of State, Government, etc.

- Military flights.
- Police flights.
- Search and rescue flights.
- Certain training flights.
- Aircraft with a maximum take-off mass of less than 5,700Kg.
- Return-to-Ramp flights.

3

AVIATION – EU ETS KEY STAGES



Understand the amount of EUAAs to be Allocated to <u>Aviation Industry</u>.

Total Allowances Available to the Aviation Industry (EUAAs) – 2012:

= Average of 2004 to 2006 Industry Emissions x 97% = 212.9 Mt



Estimating the EUAA Allocation for <u>Your Airline</u>.

Total EUAA Allocation to Airlines (2012) = 174.6 Mt

Estimated share of <u>2010</u> Industry RTK's (EU Flights) = 0.50%

Estimate of 2012 EUAA Allocation = 174.6 Mt x 0.50 %
 = <u>873,000 EUAA's</u>

Determining your expected Surplus / Shortfall Position.

Your Expected Emissions (2012) = 945,000 tCO2

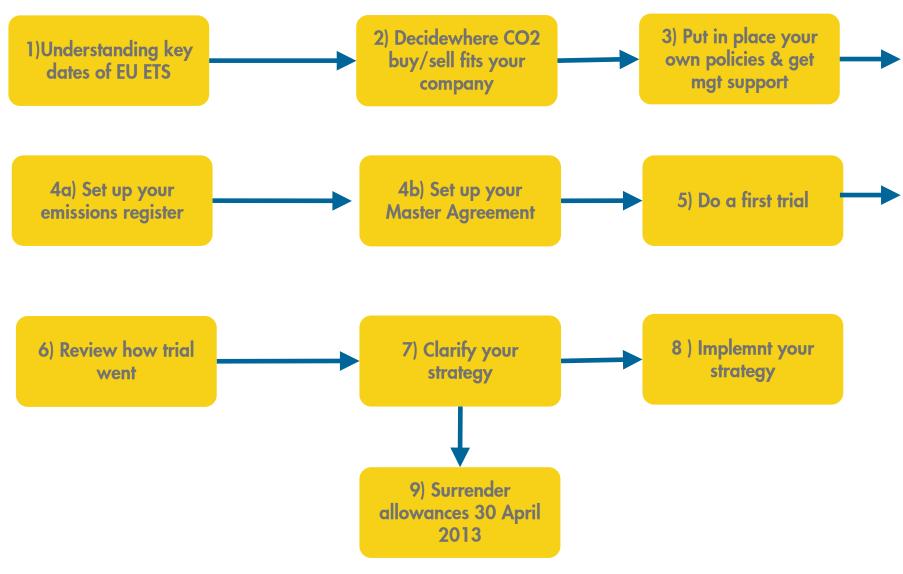
Your Expected EUAA Allocation (2012) = 873,000 tCO2

Your Expected Shortfall Position (2012) = 72,000 tCO2

What can you do now?

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9 SUGGESTED STAGE GATES FOR ET ETS



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1. AVIATION – EU ETS KEY STAGES



2. WHERE DOES CO2 BUY/SELLING FIT IN YOUR COMPANY

Some examples (illustrative only – your company could be different, so test)



SHELL: FUEL BUYER

3. POLICIES / BOARD SUPPORT

Strategy on managing environment

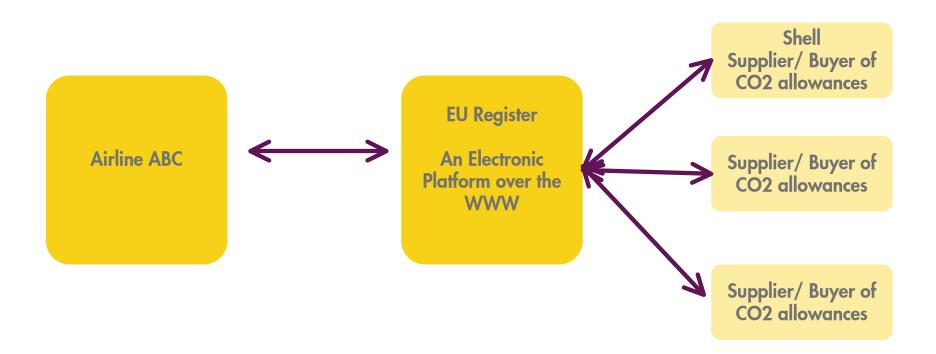
CO2 Trading policy

Operating mandates

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4a. EU ETS REGISTERS- AVIATION

- > Why: To buy/sell CO2 allowances (EU ETS or for voluntary reasons)
- > Where: Register in the EU country where you arrive/depart the most
- > When: For EU ETS by 2012, but good to do now.



REGISTERY DETAILS of 27 EU members + 3 non Members

Austria	http://www.emissionshandelsregister.at	Operational
Belgium	http://www.climateregistry.be	Operational
Bulgaria	http://bg-server1.etr.moew.government.bg/	Operational
Cyprus CP0		Not Operating
Czech Republic	http://www.ote-cr.cz	Operational
Denmark	http://www.ens.dk/sw61389.asp	Operational
Estonia	https://khgregister.envir.ee	Operational
Finland	https://www.paastokaupparekisteri.fi/	Operational
France	http://www.seringas.caissedesdepots.fr	Operational
Germany	https://www.register.dehst.de/	Operational
Greece	http://www.ghg.greekregistry.eu	Operational
Hungary	http://www.hunetr.hu/	Not Operational
Ireland	http://www.etr.ie/	Operational
Italy	http://www.greta-public.sinanet.apat.it/	Operational

REGISTERY DETAILS of 27 EU members + 3 non Members

Iceland		Operational
Latvia	http://etrlv.lvgma.gov.lv/	Operational
Liechtenstein (non EU)	https://www.national-registry.li	Not Operational
Lithuania	http://etr.am.lt	Not Operational
Luxembourg	https://www.climateregistry.lu/crweb/public/welcom e.do	Operational
Malta CP0		Not Operating
Netherlands	http://www.emissieautoriteit.nl	Operational
Norway * not EU member	http://www.kvoteregister.no	Operational
Poland	http://www.kashue.pl	Operational
Portugal	https://rple.pt	Operational
Romania	http://www.anpm.ro/index.aspx	Operational
Slovakia	http://co2.dexia.sk	Operational
Slovenia	http://rte.arso.gov.si	Operational
Spain	http://www.renade.es	Operational
Sweden	http://www.utslappshandel.se/	Operational
United Kingdom	http://emissionsregistry.gov.uk	Operational

NEWS.... NOT GOOD FOR REGISTERS

1.6 million of the Holcim's company's EUAs were stolen from Romania's CO2 registry in November 10. Some 600,000 were later returned, but the missing 1 million EUAs could have deprived the company of a further €15.5 million in revenue Nov 10 All registers were shut on following the theft of around 3.3 million EU carbon permits – 19 Jan 2011

All but 6 registers open again- 1 April 2011

An Italian exchange has suspended EUA trading due to "presumed irregular or unlawful behavior". 2nd Dec 10 Carbon trading houses are preparing lawsuits over stolen EU carbon allowances amid an escalating legal battle among participants in the EU's flagship emissions trading scheme.

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-30°N-

SETTING UP YOUR REGISTER YOURSELF

- > All country sites can be done of the WWW.
- Each country has slightly different requirements
- > But basically:
 - 1. You need to get some basis documents on your company and certified eg
 - Certificate of incorporation
 - Company financial statements
 - 2. Details of 2 company representatives to operate register
 - 3. Naturally some \$..... Not that much eg UK £200

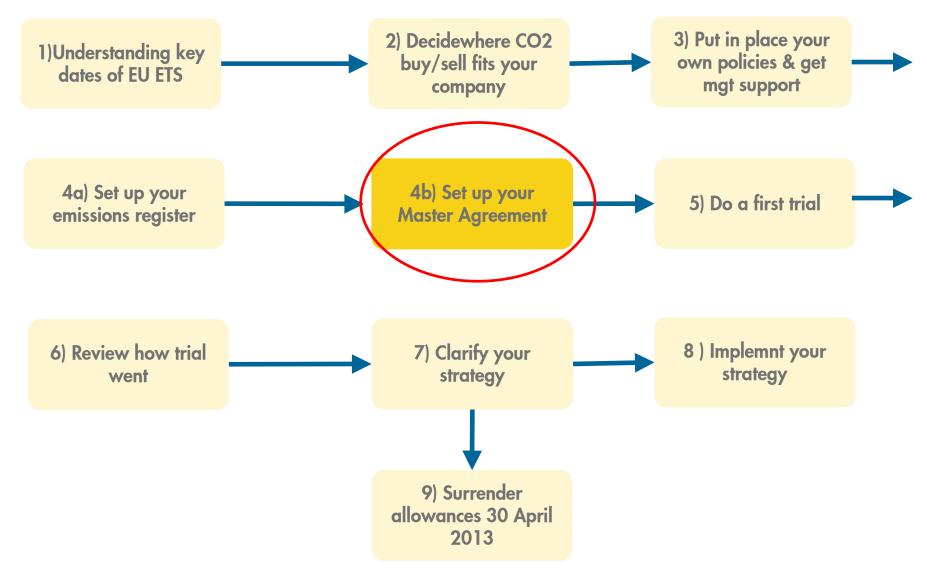


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SOME EXAMPLES

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9 suggested stage gates for ET ETS



4b. MAIN EMISSION CONTRACT TYPES

Some examples (illustrative only)

ISDA International Swap Dealers Agreement with emissions annex & confirmations	STA Single Trade Agreement	MA Master Agreement with Confirmations

Preferred : MSA

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MASTER AGREEMENT

1. Master Agreement:

- Sets out the structure of fixed price deals and needs to signed before a deal is done.
- Allows multiple deals to be done against one MA.

2. Confirmation Format:

- Actual supply contract that is sent to Customer the day the deal is done
- Used to confirm key terms of specific deal eg :
 - 1. allowances bought
 - 2. Period
 - 3. price

3. Contracting Party with Shell: The same as you fuel contract

MASTER AGREEMENT

DRAFT

EMISSIONS SERVICES MASTER AGREEMENT

This Emissions Services Master Agreer	ment is made on	20between
		a
company incorporated in registered office at	(Company No) and having its
(the "Customer") and	a limited company existing un	der the laws of England and
Wales (Company No. 525037) whose re	egistered office	

PART A – ELECTIONS

- 1. "Holding Account" shall be for:
 - 1.1 Shell Trading account GB-121-754-0 for Shell
 - 1.2 Customer: [insert Registry and account number].
- Automatic Early Termination: Applies to the Customer.
- Credit Support: The Credit Support and Conditions to be agreed by Shell. This Master Agreement shall not come into effect until a Credit Support Document has been communicated to the Customer.
- 4. Taxes. Shell confirms that it has established its business in the UK and that its VAT identification number which has to be mentioned on any invoice which Shell receives from suppliers outside of UK is GB 235 763 255 (130). The Customer confirms that it has established its business in [*insert Country*] and that its VAT identification number which has to be mentioned on any invoice which Party B receives from suppliers outside of [*insert Country*] is [*Vat Registration Number including Country Affix*].

CONFIRMATION DOCUMENTS (Example)

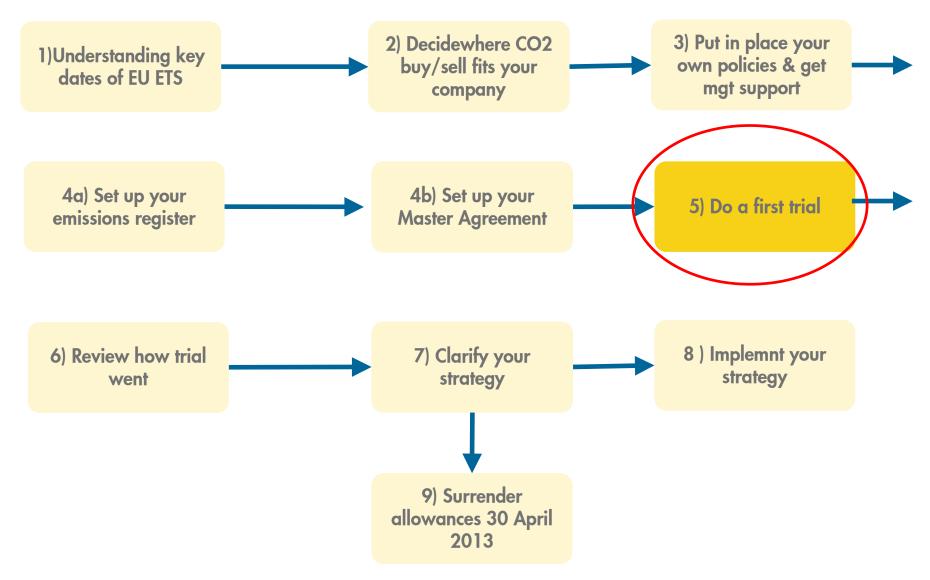
FORM OF CONFIRMATION

This Confirmation evidences the terms of th	e binding agreement regarding	the Transaction described below and er	ntered into under the Emissions
Services Master Agreement dated	between		(the " Customer ") and
("Shell	"). This Confirmation describes	s the additional terms applicable to this	Transaction and supplements the
Emissions Trading Master Agreement which	applies to this Confirmation ex	cept as amended below. In the case of	any inconsistency or conflict
between this Confirmation and the terms of	the Master Agreement the terms	s of this Confirmation shall prevail for th	e purpose of this Transaction.

Delivering Party and contact person:		
Receiving Party and contact person:		
Trade date and time Transaction agreed:		
Allowance type (EUA, a CER, ERU):		
Volume:		
Delivery date:		
Price(s) (€ / Allowance):		
Total amount:		
Payment Date:		
Name of Broker (if applicable):		
	Shell Trading:	
Bank details:	Account Name: IBAN No. Bank Name: Bank Address: Bank BIC (Swift Code): Customer:	Shell
Special Conditions:		

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9 suggested stage gates for ET ETS



5. DO A TRIAL – AS EASY AS 1-2-3

1. All new to Aviation industry

- There has not been much experience
- Shell has done 6 transactions with Airlines recently
- Lets learn together'

2. Keep the first transaction simple

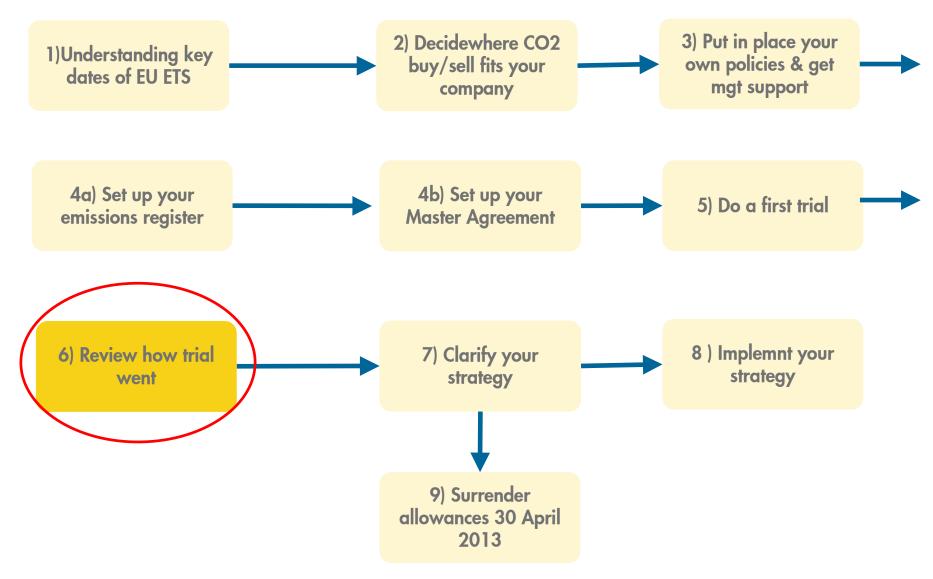
- Sign the Master Agreements (or other agreements)
- Set up a register (or be prepared to do it before 20 Dec 2011)
- Look to do an EUA trade
- Keep it simple
 - 1. Airline buys
 - 2. Volume of allowances between 100 and 1,000
 - 3. Cost approx \$2,000 and \$20,000

TRIAL – AS EASY AS 1-2-3

3. Key Steps

- You call Shell Account Manager and ask for a price
 - Type of allowances: EUA's
 - Period: Dec 11
 - Volume: 1,000 allowances
 - Terms: Against the agreed Master Agreement
- Shell Account Manager will provide a price in Euro/Tonne with a validity period
- Price is acceptable, deal is done
- Confirmation Document sent out
- Payment Made by Airline
- Allowances delivered as agreed to Airline Emissions register

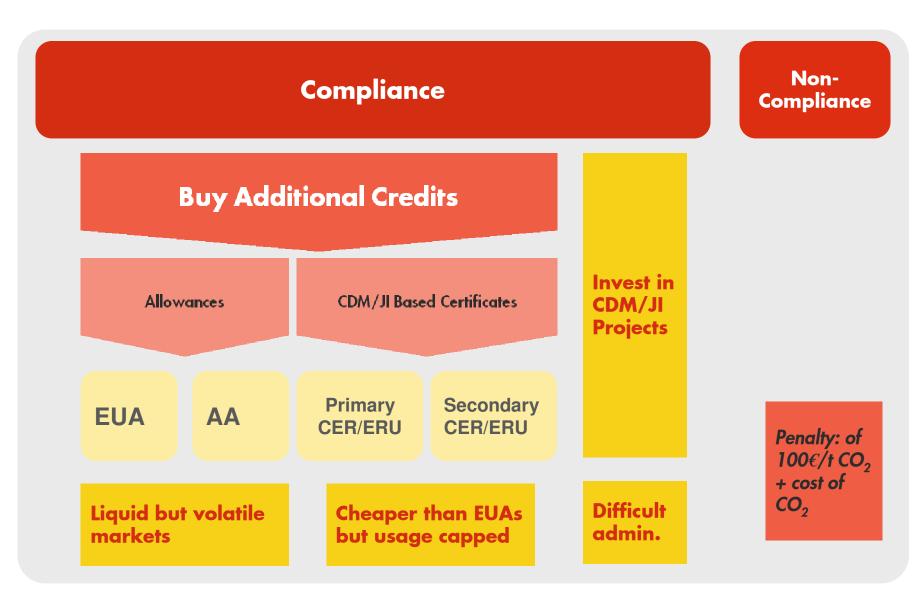
9 suggested stage gates for ET ETS



SUGGESTED STAGE GATES FOR ET ETS



8. CO2 TRADING STRATEGY FOR REGULATED EU ETS CO2 Buy/Sell



RDC Aviation – presentation Shell Webcast by Peter Hind – March 2010

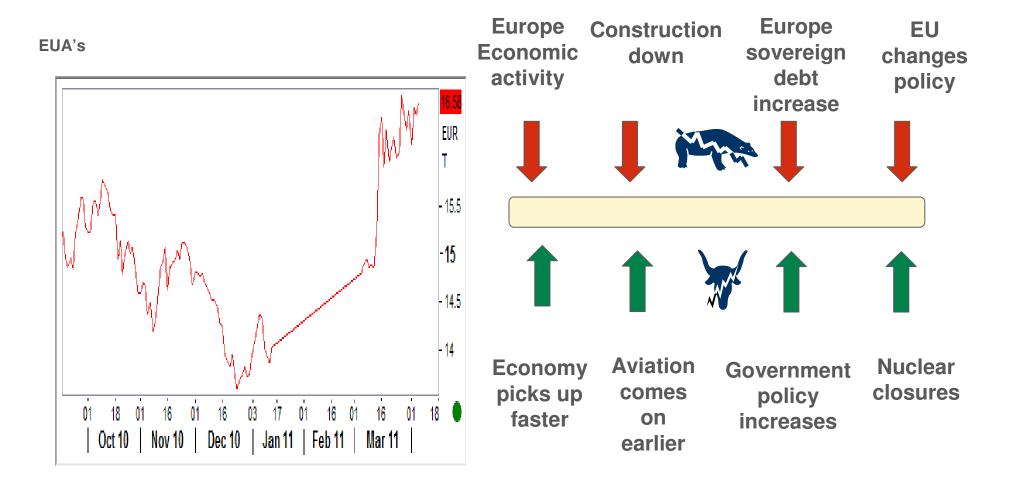
What About CO2 Prices



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Where are CO2 prices heading ?



A BUMPY ROAD AHEAD



Managing your <u>fuel and emission</u> costs in these challenging times will be difficult if you don't have a clear strategy.

Could be a bumpy road ahead.

WHY SHELL?

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	2	28	28

RELATIONSHIP

- Shell's primary goal is to be a long term supplier of hydrocarbon to your company, providing you with high-quality fuels and reliable supply at competitive prices
- Shell operates with local touch while being a global player. You work through one focal point, your LOCAL account manager



EXPERTISE & LEADERSHIP

- Looking to take a leadership position with you, exploring your needs and trying to find solutions
- We have over 10 years of experience in emissions markets



DIVERSE PRODUCT PORTFOLIO

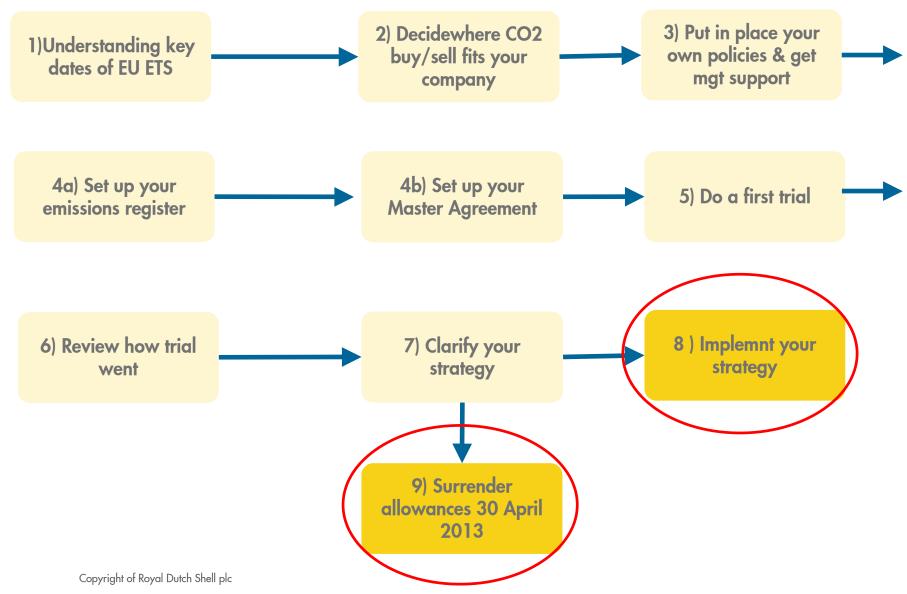
- With our global reach we can cover nearly every emissions market
- We offer a wide and comprehensive range of products/solutions, not just one separate solution.



COMMERCIAL

- Liquidity / natural position our natural position is a key strength and differentiator
- We have a direct interest and stake in CO₂ costs and impacts. Shell is at the table for EU and global emissions policy and regulation discussions as an industrial
- If you are already a customer, we have existing credit lines in place

9 suggested stage gates for ET ETS



SHELL LOOK'S FORWARD TO WORKING WITH YOU TO ADDRESS THE ENVIRONMENTAL CHALLENGE





Helping Customers Use Less and Emit Less