

ALPHA

Algorithmic
Trading from
Société Générale



Why Should You Use SG's Algorithm?....

Simple. If it can help to make SG into one of the powerhouses of global equity derivative trading, think what it could do for you.

SG AL.P.H.A. (**AL**gorithmic **P**ortfolio **H**andling **A**pplication) is a statistical trading engine that has been developed over many years by the Equity Derivatives department of Société Générale to minimise trading costs. It currently executes business worth billions of Euros every day.

Initially designed to help statistical arbitrage traders rebalance their books, it uses market micro-structure to identify short term trends on particular securities. It does so by calculating in real time the Statistical Relative Value of each security in a given trading Universe.

AL.P.H.A. is currently accessible via all existing equity order routing systems to Société Générale including Bloomberg and all bespoke FIX connections. Realtime updates are provided.

“Implementing award-winning equity derivatives expertise”



Dec. 04



Sept. 05



Nov. 05

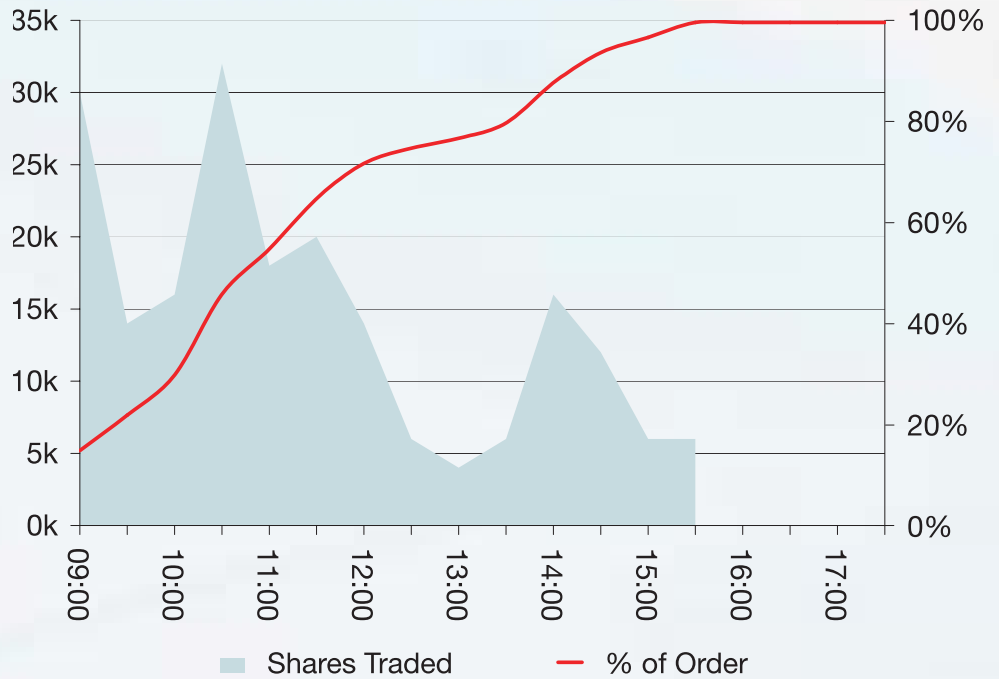


Jan. 06

Implementation Shortfall

Optimises an order's implementation shortfall by minimising both the opportunity and impact costs.

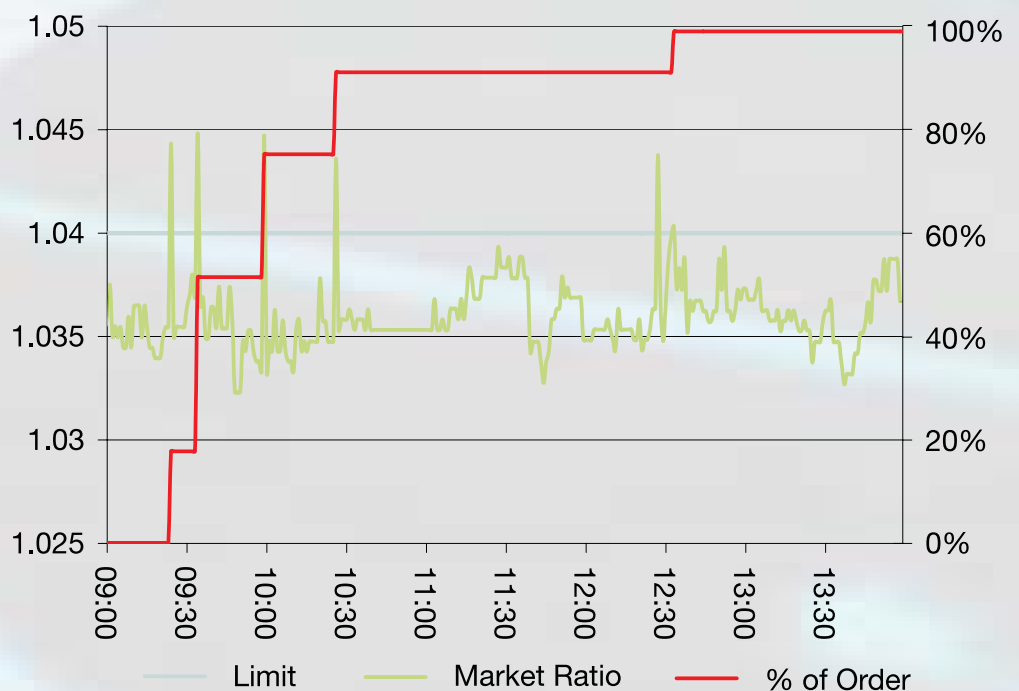
Parameters:
Start time



Pair Trading

The strategy actively targets a ratio or spread between two securities.

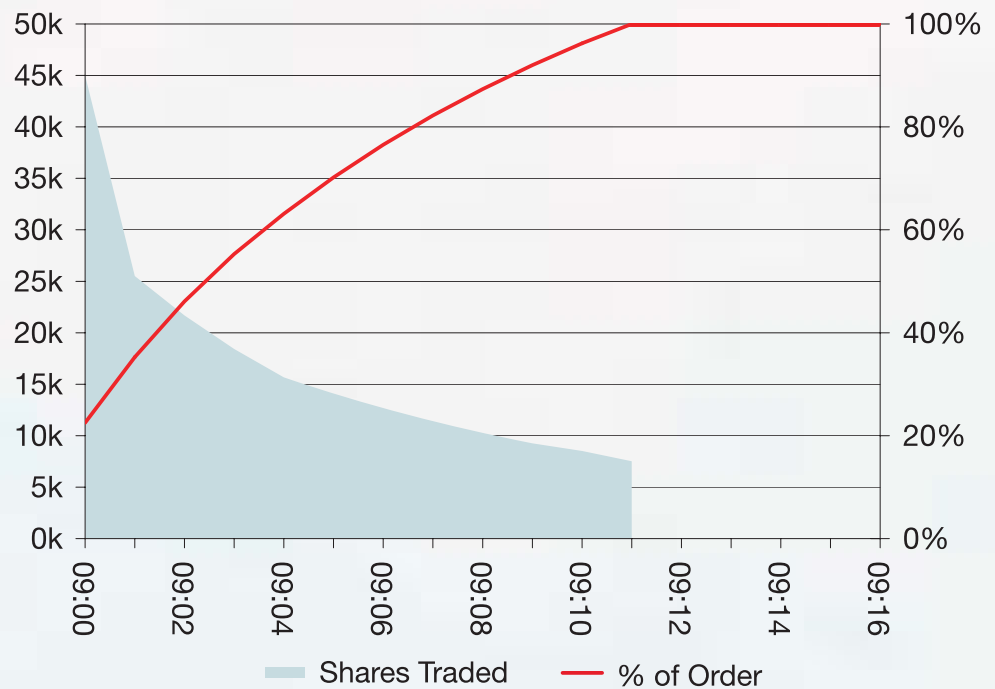
Parameters:
Ratio/Spread



Open

Seeks to minimise the shortfall of an opening benchmark by participating in both the auction and volume traded on the exchange after the open.

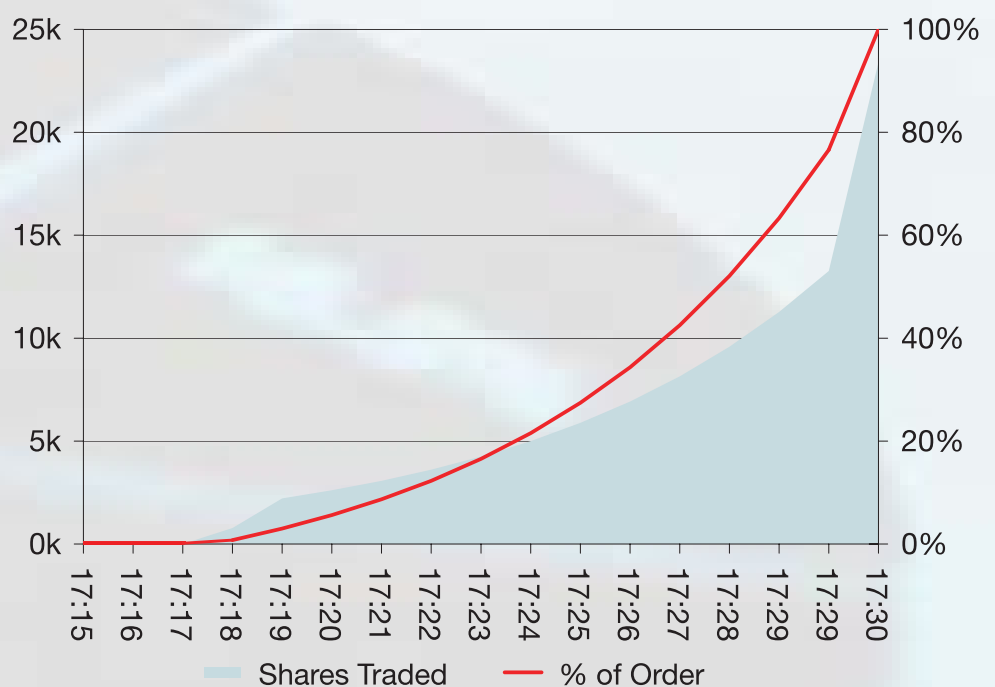
Parameters:
Volume limit
Price limit



Close

Seeks to minimise the shortfall of a closing benchmark by participating in both the auction and volume traded on the exchange before the close.

Parameters:
Volume limit
Price limit

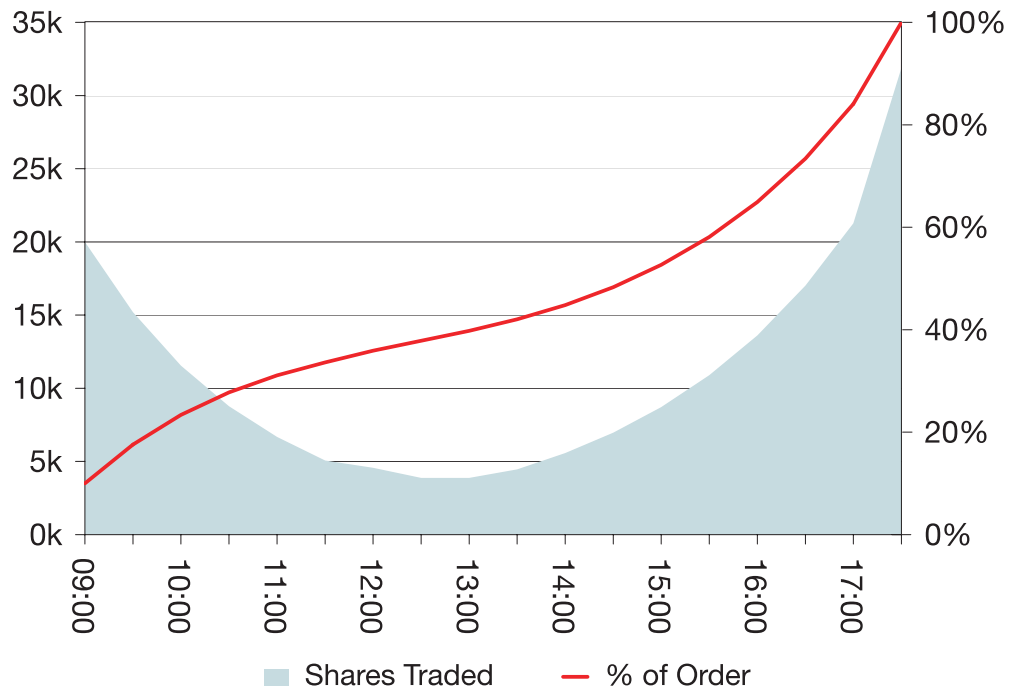


VWAP

Aims at outperforming the Volume Weighted Average Price between the Start Time and the End Time.

Parameters:

Start time
End time
Volume limit
Price limit

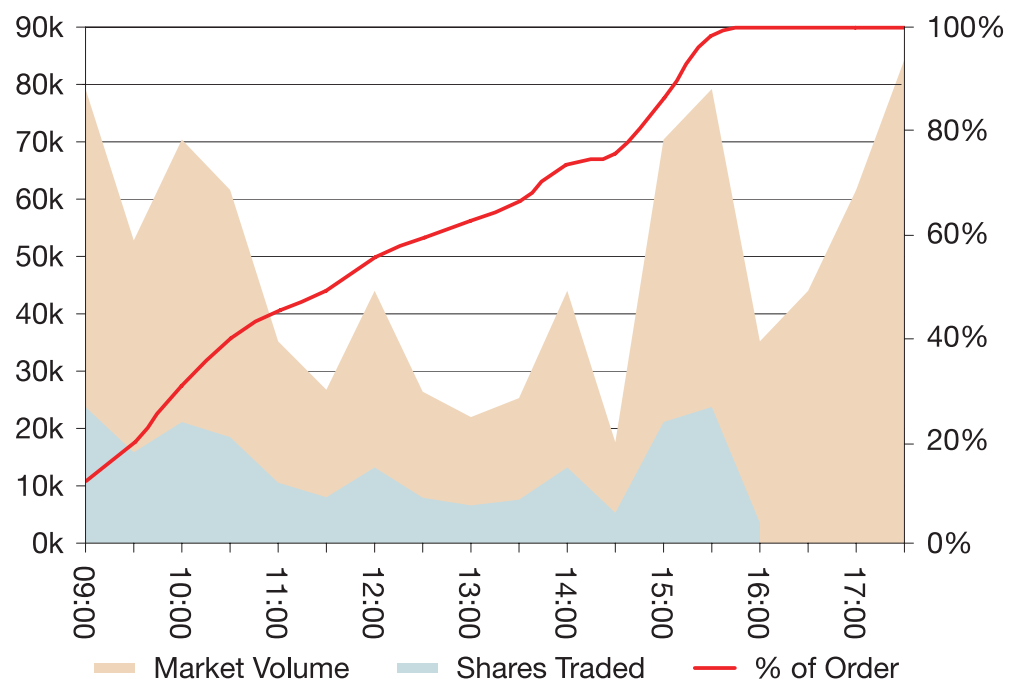


With Volumes





















The strategy works an order by actively participating with a target percentage of the volume traded on the exchange.

Parameters:

Start time
Volume participation
Price limit



Market Coverage and Connectivity

Country	Pair	IS	VWAP	% Volume	Open	Close
 USA - NYSE	✓	✓	✓	✓	✓	✓
 USA - NASDAQ	✓	✓	✓	✓	✓	✓
 JAPAN - TSE	✓	✓	✓	✓	✓	✓
 JAPAN - OSE	✓	✓	✓	✓	✓	✓
 UK	✓	✓	✓	✓	✓	✓
 GERMANY	✓	✓	✓	✓	✓	✓
 FRANCE	✓	✓	✓	✓	✓	✓
 AUSTRALIA	✓	✓	✓	✓	✓	✓
 HONG KONG	✓	✓	✓	✓	✓	soon
 SPAIN	✓	✓	✓	✓	✓	✓
 ITALY	✓	✓	✓	✓	✓	✓
 TAIWAN	✓	soon	✓	✓	soon	soon
 SOUTH KOREA	soon	soon	soon	soon	soon	soon
 SINGAPORE	✓	soon	soon	soon	soon	soon
 SWITZERLAND	✓	✓	✓	✓	✓	✓
 NETHERLANDS	✓	✓	✓	✓	✓	✓
 SWEDEN	✓	✓	✓	✓	✓	✓
 FINLAND	✓	✓	✓	✓	✓	✓
 BELGIUM	✓	✓	✓	✓	✓	✓
 PORTUGAL	✓	✓	✓	✓	✓	✓

Parameter	Pair	IS	VWAP	% Volume	Open	Close
Time	-	Start Time	Start and End Time	Start Time	-	-
Price	Ratio or Spread	-	Limit or Market	Limit or Market	Limit	Limit
% of Volume	-	-	Upper Limit	Target	Upper Limit	Upper Limit

Global Program Trading - Contacts

New York

Tel: +1 212 278 5317
Toll free: 1 800 217 8095
usprogram.trading@sgcib.com

Paris

Tel: +33 1 42 13 52 61
par-program-trading@sgcib.com

London

Tel: +44 20 7628 8441
lon-program.trading@sgcib.com

Hong Kong

Tel: +852 2166 4937
Toll free: 1 800 404 9905
gpt-hk@sgcib.com

Tokyo

Tel: +81 3 5549 5406
gpt-tokyo@sgcib.com