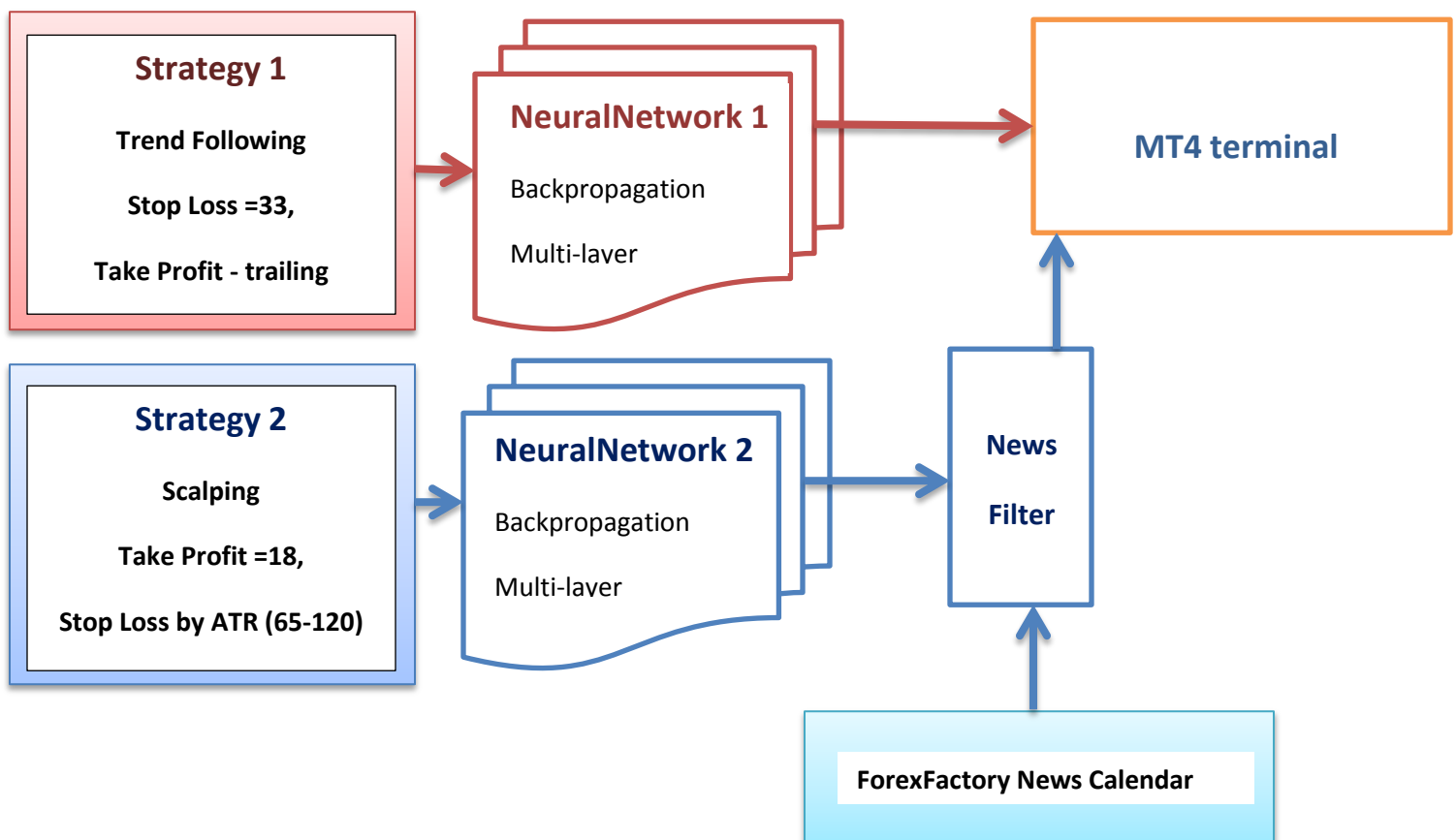


## Forex Robot TFOT pro 8.0

### What's New

Forex robot TFOT pro 8.0 contains **two** Backpropagation multi-layers neural networks.

*Backpropagation, an abbreviation for "backward propagation of errors", is a common method of training artificial neural networks. From a desired output, the network learns from many inputs, similar to the way a child learns to identify a dog from examples of dogs. It is a supervised learning method, and is a generalization of the delta rule. It requires a dataset of the desired output for many inputs, making up the training set. It is most useful for feed-forward networks (networks that have no feedback, or simply, that have no connections that loop). Backpropagation requires that the activation function used by the artificial neurons (or "nodes") be differentiable. [wikipedia.org](http://wikipedia.org)*



This approach (2 neural net networks instead 1) allows us to train first network for first strategy and second network for second strategy.

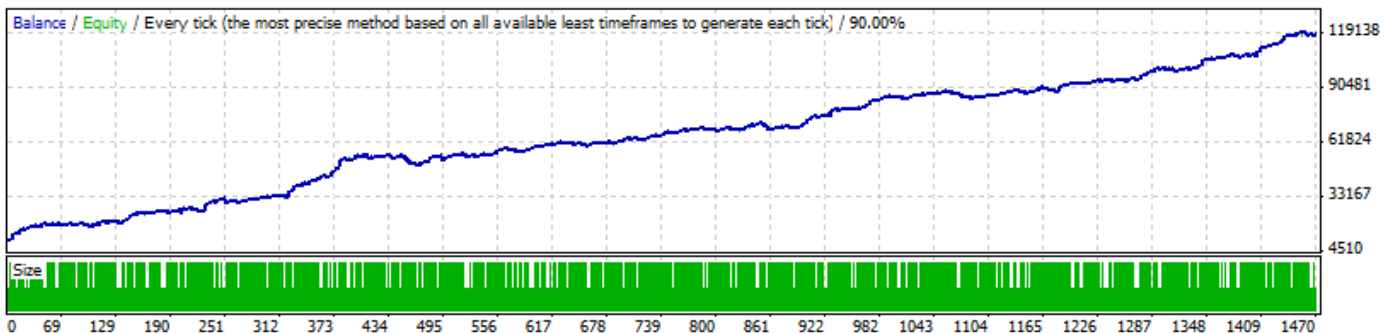
## Back Tests

Test with Two Neural Network since 01.01.2008 till 25.07.2013 Lot =1, Neural Net lot =0.5

Neural Net lot =0.5 It means if robot generate sell or buy signal and neural network is agree with robot, robot will open 1 lot; if robot generate sell or buy signal and neural network is disagree with robot, robot will open 0.5x1=0.5 Lots

NewsLabels.FontName="Verdana"; NewsLabels.FontSize=8; NewsLabels.RegularRows=Gold; NewsLabels.HighlightedRows=Tomato;

Bars in test	303820	Ticks modelled	46583856	Modelling quality	90.00%
Mismatched charts errors	7				
Initial deposit	10000.00				
Total net profit	108154.88	Gross profit	258164.53	Gross loss	-150009.65
Profit factor	1.72	Expected payoff	73.67		
Absolute drawdown	19.00	Maximal drawdown	7256.94 (12.77%)	Relative drawdown	16.64% (3439.17)
Total trades	1468	Short positions (won %)	762 (66.67%)	Long positions (won %)	706 (71.39%)
		Profit trades (% of total)	1012 (68.94%)	Loss trades (% of total)	456 (31.06%)
		Largest profit trade	3876.36	loss trade	-1207.00
		Average profit trade	255.10	loss trade	-328.97
		Maximum consecutive wins (profit in money)	18 (5065.93)	consecutive losses (loss in money)	6 (-1729.70)
		Maximal consecutive profit (count of wins)	6329.55 (14)	consecutive loss (count of losses)	-2881.66 (5)
		Average consecutive wins	4	consecutive losses	2



## Installation

1. Unzip tfot8.0.zip
2. Copy neural Networks files **TFOT4\_2\_EURUSD5F2.nnb** and **TFOT4\_2\_EURUSD5F1.nnb** to folder **Metatrader/tester/files/**
3. Copy Expert Advisor **TFOT\_pro\_8.0.ex4** to experts folder **Metatrader/experts/**
4. Copy 2 dll files **toftV7n.dll** and **toftV4.dll** to folder **Metatrader/experts/libraries/**
5. Copy news indicator **i-MZ-FF-News.ex4** to indicators folder **Metatrader/experts/indicators/**
6. Run Metatrader 4
7. Press Ctrl +O ans select "Expert Advisors" Tab
8. Check "allow leave trading", Allow dll imports", " allow external experts import"
9. Open EURUSD charts: M1, M5, M15, M30, H1, H4

10. Add EA to only EURUSD M5 chart (keep charts M1, M5, M15, M30, H1, H4 open)
11. Enter your registration ID and press "Next "
12. Set your lot size or adjust Money Management ( "Parameters" )

## Settings

**We recommend to use robot with default settings, please change only LotFF = 1 and LotSF = 1 according your account balance and risk preferences.**

MarketExecution = true; Market or Instant execution (if market – true, for instant -false)

GMTTest = 2; GMT shift for back test only

LotFF = 1; Lot size for 1st strategy (if PercentLotFF = 0; )

PercentLotFF = 0; Money Management (percent by account balance) for 1st strategy

LotSF = 1; Lot size for 2d strategy (if PercentLotSF = 0; )

PercentLotSF = 0; Money Management (percent by account balance) for 2d strategy

## News Filter Explanation and Settings

We analyzed the results of trade on real account and found important pattern. Some losing trades are the result of random movement of prices during the news. To prevent this, we have developed a news filter. Our news filter based on our free FF news indicator (forex factory news indicator)



Pic. 1 – FF news Indicator

Indicator shows 5 columns (from left to right): news impact, news time, news data, currency, news. **Using news filter you can prohibit trades during news period for usd and eur currencies.**

We have added extern variables to Forex Robot TFOT:

sUrl = "http://www.forexfactory.com/ff\_calendar\_thisweek.xml"; The news provided by forexfactory site only for last week.

NewsReload.mi = 60; Reload news every, min

SymbolsFilter.On = true; Filter by simbol

SymbolsFilter = "EUR,USD"; Symbols

ShowOnlyCurrDay = false; Show calendar only for current day

IncludeHigh = true; show high impact news

IncludeMedium = true; show medium impact news

IncludeLow = false; show low impact news

IgnoreFilter.On = true; Ignore: holiday, speaks, tentative news

IgnoreFilter = "holiday,speaks,tentative";

GMT time calculated and passed from EA to the indicator (Broker.GMT.Offset option).

EA cannot cacluate GMT time in StrategyTester mode so Tester.Broker\_TZ option is provided for strategy tester. You have to set it manual.

NewsSite.GMT.Offset = 0; GMT offset for news site

Broker.GMT.Offset = 0; GMT offset for brokerage company

extern bool StopSecondFaceTradesOnNews = true

true: Prohibites the open of new trades News.HighLightPrior.mi minutes prior and News.HighLightAfter.mi minutes after news releases.

By default News.HighLightPrior.mi = 10, News.HighLightAfter.mi = 45.

LoadNews option must be set to true.

extern bool CloseOpenedTradesOnNews = true;

true: Closes opened trades and prohibites the open of new trades News.HighLightPrior.mi minutes prior and News.HighLightAfter.mi

minutes after news releases.

LoadNews option must be set to true.

News.HighLightPrior.mi = 10; Stop trading before news realize

News.HighLightAfter.mi = 45; Start trading after news realize

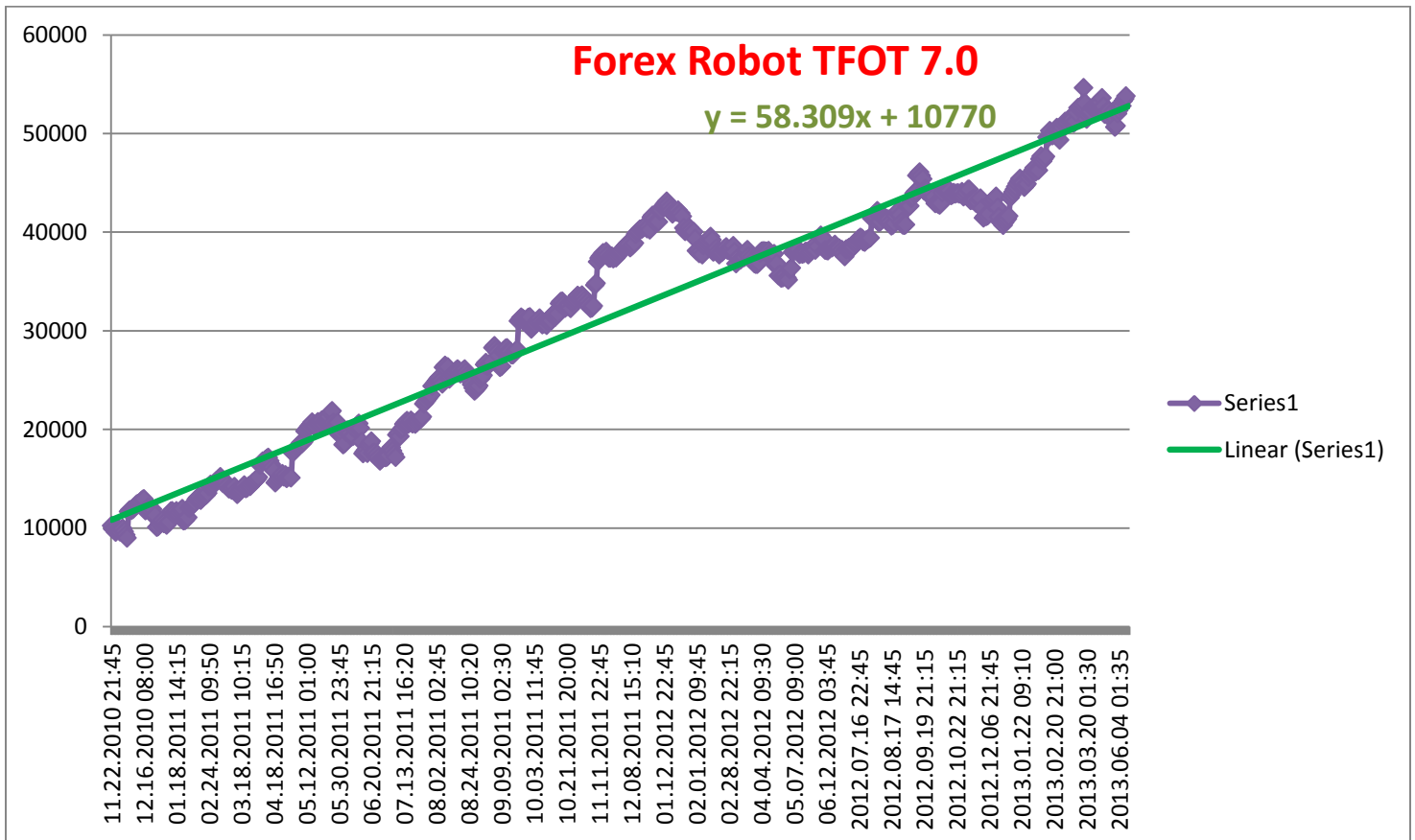
**Our company can add same news filter for your expert advisor for \$190**

Feel free to contact us: [coding@iticsoftware.com](mailto:coding@iticsoftware.com)

## Forex Robot TFOT 7.0 – Detailed Analysis

For our analyze we used statements **from real accounts** since 22.11.2010 till 4.07.2013.

Our goal is to get performance simulation for next month or year. This will allow us and all TFOT's users to count expected profit. For example, you invested \$ 600 and you want to calculate how much money is in your account in a year if you are using forex robot TFOT. For this reason, we imported data from live statements to MS excel and created balance's chart (lilac).



We also have created trend line (green) based on linear regression and obtained equation of the line  $y=58.309x+10770$

For example we would like to invest \$10,000 and we would like to calculate our account size after 3 years, if we will trade with minimal risk and fix lot size. On average, the robot opens one order a day.

3 year = about 792 trading days

Account size after 3 years =  $58.309 \times 792 + 10770 = \$56,950$

**This number corresponds to the actual account size after 3 years.**

**Other robot parameters based on real statements:**

Average Daily Gain : 0.16%  
 Average Monthly Gain: 4.9%  
 Maximal Drawdown: 23.15%  
 Longs Won: (244/361) 67%  
 Shorts Won: (229/347) 65%  
 Profit Factor: 1.45  
 Standard Deviation: \$477.20  
 Sharpe Ratio: 0.11  
 Probability: 99.99%

### Risk analysis

Loss Size	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%
Probability of Loss	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%	0.02%	0.41%	7.43%
Consecutive Losing Trades	131	118	105	92	79	66	53	39	26	13

Probability of Loss 100% of account smaller than 0.01%

Probability of Loss 100 of account smaller than 7.43%

**Forex Robot TFOT Official webpage: <http://iticsoftware.com/tfot6/>**



## Contacts:

BJT Trading Group inc., Canada

<http://iticsoftware.com>

[support@iticsoftware.com](mailto:support@iticsoftware.com)