



TRADERSUITE · PROFESSIONAL INDICATOR SERIES

Confluence Engine

The complete user guide — dual-tier structure, order blocks, fair value gaps, liquidity sweeps and premium/discount, unified into one transparent 0–100 confluence score with killzone, higher-timeframe and VWAP tiers.

v1.0.0

tradersuite.online

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How to read this guide

Sections 1–8 explain what you see on the chart and how the score is built. Section 9 is a full reference for every setting. Keep it open beside a chart on your instrument — each visual mirrors exactly what the indicator draws.

What this indicator does

Confluence Engine watches the five Smart-Money ingredients — dual-tier structure, order blocks, fair value gaps, liquidity and premium/discount — and scores how much of that checklist currently agrees, as one transparent 0–100 confluence read. Around that core it layers the tiers a drawing tool cannot offer: a killzone clock, a 60-minute higher-timeframe bias and a session VWAP read — all explained in plain words by a narrative dashboard, and stamped onto every zone-tap signal.

A score, never a black box

Eight weighted components feed the 0–100 score. Every weight is user-adjustable, every check is observable on the chart, and the ✓-row shows exactly which conditions stacked — and which are missing.

The full SMC toolkit

BoS/CHoCH events on two structure tiers, volume-graded order blocks, fair value gaps with inversion tracking, equal-highs/lows sweep memory and a premium/discount map — drawn and cleaned up automatically.

Timing tiers built in

A DST-safe killzone clock (London / NY AM / NY PM), a 60-minute higher-timeframe bias and a session VWAP side check add the "when" that pure drawing tools leave out.

No repaint · automation-ready

Every event, zone, sweep and signal is evaluated on closed bars only. Three read-only series — BiasSeries, ConfluenceScore and Signal — are exposed for your own NinjaScript strategies.

Who it's for

Traders who work with Smart Money Concepts or ICT-style analysis — structure, zones, sweeps and premium/discount — and want the whole checklist tracked, weighted and explained on one chart instead of assembled by hand. It works on any market and timeframe NinjaTrader 8 can chart.

Futures (NQ, ES, GC, CL...)

Forex

Crypto

Stocks

Shipped tuning: NQ / ES 5-min

Intraday: 1–15 min

Higher timeframes supported

A note on honesty

The score measures how much of the smart-money checklist is aligned — a context meter, not a win-probability. A 78 can lose and a 45 can run. Nothing here predicts the future; the engine organises evidence so your decisions are faster and better informed. Always apply your own risk management.

Installing it — step by step

Installation is the same for every TraderSuite indicator and takes about two minutes. You need NinjaTrader 8 (64-bit, 8.1 or later) and the .zip file from your purchase email or account download page.

- 1 Download the zip — and leave it zipped.** NinjaTrader imports the whole archive; do not extract it first.
- 2 Import into NinjaTrader.** In the Control Center choose **Tools → Import → NinjaScript Add-On...**, browse to the zip and confirm. If an older copy exists, remove it first so NinjaTrader compiles a single clean version.
- 3 Restart NinjaTrader.** A restart after import guarantees the new assembly is loaded.
- 4 Add it to a chart.** Right-click the chart → **Indicators...** → open the **TraderSuite** folder → double-click **TS_ConfluenceEngine**.
- 5 Enter your licence key.** In the indicator's settings find the **0A. License** group and paste the key from your purchase email. Leave it empty to start an automatic 7-day trial.
- 6 Click OK and check the dashboard.** Its **Status** line should read **✓ LICENSED, MEMBER** or **TRIAL**. Section 10 explains every state.

Requirements

NinjaTrader 8 (latest version recommended) · a real-time or historical data feed — volume grading is strongest on real-volume symbols · an internet connection for the first licence validation.

Moving machines?

Deactivate the old machine from your account dashboard first, then activate on the new one. Activations used/allowed are shown live on the dashboard.

Tip — save it in a template

Once your colours and settings feel right, right-click the chart → **Templates** → **Save as default** so every new chart opens ready to trade.

Anatomy of the chart

Everything the engine tracks, on one 5-minute chart: sell-side liquidity is swept at the lows, CHoCH turns structure bullish, price breaks structure, then pulls back into a volume-graded demand zone in the discount half — and the tap is stamped with the live score.



- Swept liquidity** — equal lows (EQL) taken by a wick that closes back inside.
- Structure events** — CHoCH flips the bias; the later BoS confirms it. Two tiers tracked.
- Volume-graded demand zone** — origin volume vs. its average ("1.8x Vol").
- Fair value gap** — an imbalance left by the impulse; flips role if violated.
- Premium/discount map** — quartile tint, equilibrium from the last swing pair.
- Zone-tap signal** — the ▲ stamped with the live score; gold at 70+.
- The dashboard** — bias, range %, liquidity, ✓-row and score, live.

The confluence score

The score is a transparent, weighted checklist — never a black box. Eight components each earn their points when their condition is met. Every weight is user-adjustable, and disabled tiers renormalise automatically so the score always reads 0–100.

#	Component	Weight	Earns its points when...
S	Structure alignment	20	Internal bias agrees with swing bias — both tiers point the same way.
L	Location	20	Longs priced in the discount half ($\leq 50\%$), shorts in premium.
Z	Fresh zone nearby	15	An unmitigated same-side order block within $0.75 \times \text{ATR}$ of price.
I	Imbalance	10	A supporting FVG or inversion zone near price.
Q	Liquidity sweep	15	Opposite-side liquidity taken within the last 20 bars.
K	Killzone	5	Inside London / NY AM / NY PM (US-Eastern, DST-safe on any PC).
H	HTF alignment	10	The 60-minute tier agrees with your direction.
V	VWAP side	5	Price on your side of the session VWAP.



The default weight split — 100 points across eight checks. Structure and location carry the most; timing tiers refine the read.

Score discipline — the three bands

Band	Meaning	Action
70 - 100	Nearly the full checklist is stacked; the signal prints gold.	Tradeable location. Apply your entry rule; risk beyond the zone.
40 - 69	A real but incomplete picture — usually missing sweep, location or HTF.	Stalk, don't trade. Find the missing letter in the ✓-row and wait for it.
0 - 39	Thin context; structure young or conflicted.	Stand down. This is the band where overtrading lives.

The receipt, not the arrow

An arrow tells you what a vendor's rules concluded; the ✓-row tells you *why* — which conditions are stacked and which are missing. When a trade loses, you know exactly which ingredient was absent. That feedback loop is how traders improve.

Structure & order blocks

Structure is tracked at **two degrees**. The **swing tier** (length 10) reads the larger picture and owns the bias; the **internal tier** (length 5) reads the near-term sequence inside it. A **BoS** (break of structure) continues the current bias; a **CHoCH** (change of character) is the first close through the level that breaks it. The most recent events stay drawn (8 kept) so the story remains visible.



Order blocks, graded by volume

The engine hunts the **origin candle** of each impulse over its own lookback (15 bars) and keeps a limited number of zones per side (3) so the chart stays honest. Each zone's origin volume is compared with a 20-bar average and printed as a multiple — **Demand · 1.8x Vol** means the zone was built on nearly twice normal volume. The Z check pays when a fresh same-side zone sits within $0.75 \times \text{ATR}$ of price.

Fresh vs. tested

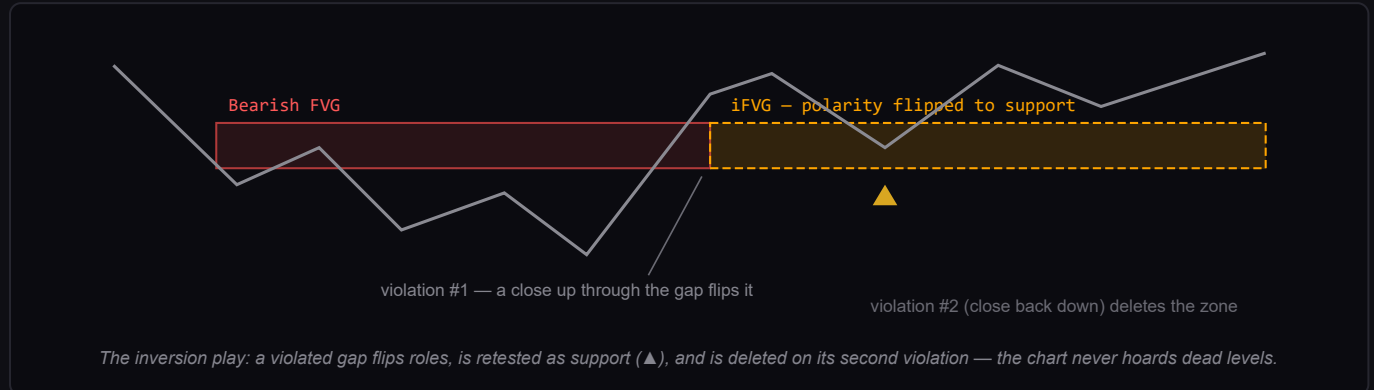
Fresh zones draw at full intensity; once tapped they dim. The strongest entries come from zones that have not yet been revisited.

Mitigation cleanup

When price closes through a zone it is mitigated — and deleted. The engine removes dead levels automatically so what remains still matters.

Imbalance & liquidity

Fair value gaps must clear a minimum size of $0.25 \times \text{ATR}$ to be tracked — the trivial ones are filtered out — and a display cap (4 kept) stops clutter. When price closes through a gap once, the gap is not dead: its **polarity flips**. A violated bearish gap becomes support (an **iFVG**), is recoloured, and keeps scoring under the I check. A second violation deletes it.



Liquidity — equal highs, equal lows, and the sweep

Equal highs and lows are grouped with an ATR-scaled tolerance ($0.10 \times \text{ATR}$) rather than exact matching, and up to 6 levels are retained. A wick through the level that closes back inside marks it **✗ swept** — with a per-level cooldown (20 bars) so labels never stack. The Q check pays 15 points when opposite-side liquidity has been taken within the last 20 bars.

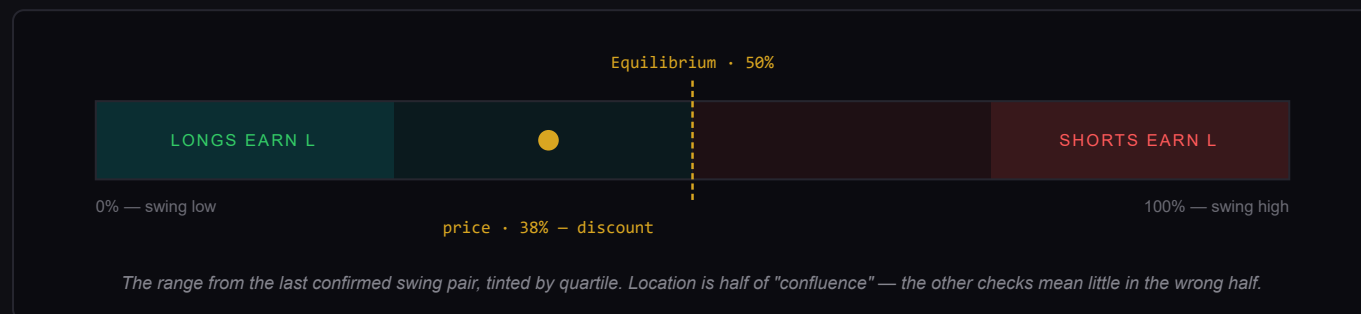


Location & timing

Two context tiers frame every other check: **where** price sits in its range, and **when** you are looking at it.

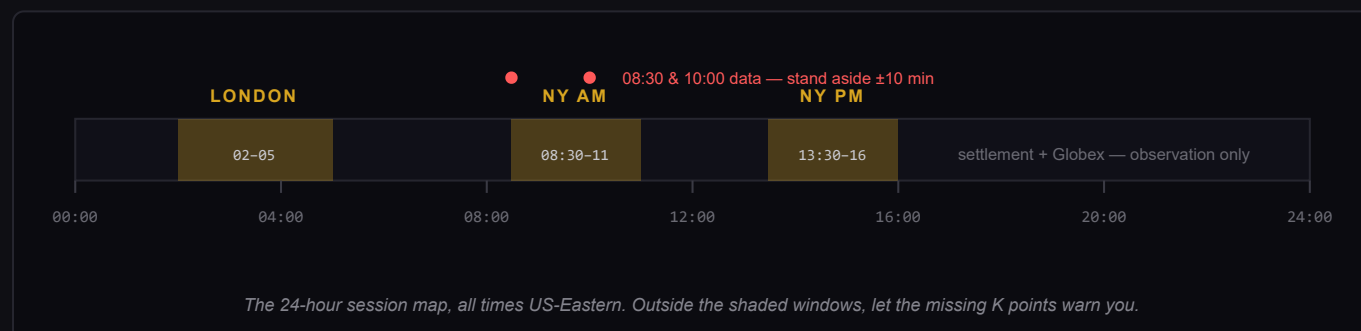
The premium/discount map (L — 20 pts)

Equilibrium is measured from the last **confirmed swing pair**, and the range is tinted by quartile. Longs earn the L points only when priced at or below 50 % of the range; shorts only in premium. The dashboard's **Range** line shows the live percentage.



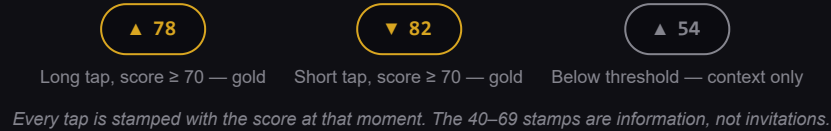
The killzone clock (K — 5 pts), HTF (H — 10 pts) & VWAP (V — 5 pts)

The K check pays inside the London, NY AM and NY PM windows because that is where sweeps and displacement actually resolve; outside them the same picture is statistically chop. All times are **US-Eastern**, converted from your PC clock automatically and DST-safe. The H check reads a 60-minute tier (EMA 50); the V check asks only that price is on your side of the session VWAP.



Signals & the dashboard

When price taps a qualifying zone with both tiers aligned and on the right side of equilibrium, the engine prints a **zone-tap triangle stamped with the live score**. At the highlight threshold (70 by default) the stamp turns gold. Signals are one-shot, evaluated on the closed bar, and deliberately rare — rare is the feature.



Reading the dashboard

TraderSuite

tradersuite.online

TS_ConfluenceEngine v1.0.0

— LICENSE —

Status:

LICENSED

Activations:

1 / 2

— MARKET READ —

Swing:

Bullish

Internal:

Bullish

Event:

BoS ↑

Range:

38 % (discount)

Liquidity:

Sell-side swept

Zones D/S:

2 / 1

HTF bias:

Bullish

Checks:

S✓ L✓ Z✓ I✓ Q✓ K✓ H✓ V–

Score:

78 / 100

Bullish structure – sell-side taken

in discount – demand below

- Licence status & activations used / allowed
- Bias on both tiers, and the latest structure event
- Where price sits in the range (premium / discount %)
- Which side's liquidity was last swept
- Active demand / supply zones on the chart
- The 60-minute higher-timeframe bias
- The ✓-row — the score's receipt, letter by letter
- The live 0–100 score, plus a plain-words narrative

Read it like a pre-flight list

Top to bottom: bias on both tiers → what just happened → where price sits → has liquidity been taken → what's nearby → how much stacks up. The ✓-row letters are **S**-tructure, **L**-ocation, **Z**-one, **I**-mbalance, li-**Q**-uidity, **K**-illzone, **H**-TF, **V**-WAP.

Settings reference

Every option, grouped exactly as it appears in the NinjaTrader indicator dialog. Defaults are the shipped NQ / ES 5-minute tuning.

0. About & 0A. License

Option	Default	What it does
Website	tradersuite.online	Displayed on the dashboard. Informational.
Show Logo	On	Show the TraderSuite branding at the top of the dashboard.
Show Panel	On	Master toggle for the dashboard panel.
License Key	(empty)	Your key. Leave empty for a 7-day trial.

1. Structure

Option	Default	What it does
Swing Length	10	Pivot lookback for the swing tier. Bigger = cleaner, later; noisy symbols want larger values.
Internal Length	5	Pivot lookback for the internal tier — the near-term sequence.
Events To Keep	8	How many BoS / CHoCH drawings stay on the chart.

2. Order Blocks

Option	Default	What it does
Origin Candle Lookback	15	How far back the origin candle of an impulse is hunted.
Zones To Keep (per side)	3	Zone cap per side — keeps the chart honest.
Volume Avg Period	20	SMA that grades each zone's origin volume ("· 1.8x Vol").

3. Fair Value Gaps

Option	Default	What it does
Show FVGs	On	Draw fair value gaps; inversions are tracked either way.
Min Size (ATR)	0.25	Gap detection floor — filters the trivial gaps.
FVGs To Keep	4	Display cap for gaps on the chart.

4. Liquidity

Option	Default	What it does
Equal-Level Tolerance (ATR)	0.10	How close highs/lows must sit to group as one liquidity level.
Levels To Keep	6	Cap on retained liquidity levels.
Sweep Cooldown (Bars)	20	Per-level sweep memory — no label stacking.

Confluence, signals & visuals

5. Premium / Discount

Option	Default	What it does
Show Map	On	Quartile tinting + equilibrium from the last confirmed swing pair.

6. Confluence

Option	Default	What it does
Component Weights	20/20/15/10/15/5/10/5	One weight per check (S/L/Z//Q/K/H/V) — your scoring policy. Disabled tiers renormalise; change one at a time.
Use Killzones (US-Eastern)	On	Enable the K tier. HHMM windows, converted from your PC clock, DST-safe.
Killzone Times	02-05 / 08:30-11 / 13:30-16	London, NY AM and NY PM windows (ET), each editable.
Use HTF Bias	On (60 min · EMA 50)	Enable the 60-minute higher-timeframe agreement tier.
Use Session VWAP Side	On	Enable the V tier — price on your side of the session VWAP.
Zone Proximity (ATR)	0.75	How near an unmitigated zone must be for the Z check to pay.

7. Signals & Alerts

Option	Default	What it does
Enable Zone-Tap Signals	On	Print the ▲ / ▼ tap triangles stamped with the live score.
Signal Highlight Score	70	Score at which a stamp turns gold.
Alerts	Off	Master switch for signal alerts.

8. Visuals

Option	Default	What it does
Colors	(brand set)	Demand / supply / FVG / inversion brushes.
Opacities (×3)	(shipped)	Fresh vs. tested zone intensity, and premium/discount map strength.

Automation hookup

Three read-only series are exposed for NinjaScript strategies. All three update on closed bars only, so backtest and live read identically — keep your strategy's own risk engine and let the engine act purely as the context gate.

Series	Values	Meaning
BiasSeries[0]	+1 / 0 / -1	Swing-structure bias.
ConfluenceScore[0]	0 ... 100	The live confluence score.
Signal[0]	+1 / -1 / 0	One-shot zone-tap signal — e.g. gate entries on sig > 0 && score >= 70.

Licensing & activation

The indicator validates once, then caches the result and keeps working offline within a 7-day grace window after a successful check — so a brief internet drop never interrupts your session.

Getting started

- 1 Add **TS_ConfluenceEngine** to your chart (Indicators dialog → TraderSuite folder).
- 2 Open its settings and find the **0A. License** group.
- 3 Paste your **License Key** — or leave it empty to start an automatic 7-day trial.
- 4 Click OK. The dashboard's **Status** line confirms your state.

License states you may see

Dashboard shows	Meaning
✓ LICENSED	Valid product licence, activated on this machine.
✓ MEMBER	Active membership licence — this indicator is included in the Pro Membership.
✓ ADMIN	Administrator master key (support / testing).
TRIAL (Xd left)	Free trial, days remaining shown.
OFFLINE MODE	Server unreachable; running on the 7-day offline grace period.
✗ message	Attention needed — invalid key, max activations, expired, or internet required.

Activations

A product licence activates on a limited number of machines (shown as **used / max** on the dashboard). Need to move machines? Deactivate the old one from your account, then activate the new one.

Trading with it — a workflow

The classic sweep-and-reclaim sequence, run through the engine. This is an educational framework, **not financial advice** — always apply your own plan and risk limits.

- 1 **Read the dashboard first.** Swing and internal bias, the Range %, and the HTF line tell you which side — if any — you should be stalking.
- 2 **Wait for the sweep.** An **EQL** / **EQH** **×** inside a killzone is the tell that liquidity has been engineered. Watch Q flip to **✓**.
- 3 **Demand the shift.** Within the next bars, a CHoCH (or BoS in your direction) on the swing tier reveals intent. No shift, no trade.
- 4 **Let price come back.** The entry is the return — a tap of a fresh order block (or flipped iFVG) on the right side of equilibrium.
- 5 **Check the receipt.** Take the stamped signal only at score ≥ 70 (gold). A 40–69 stamp means a letter is missing — find it in the **✓**-row and wait.
- 6 **Risk beyond structure.** Stops belong beyond the zone *and* the sweep extreme, whichever is further. First target equilibrium, then the opposing liquidity.
- 7 **Review the **✓**-row afterwards.** On losers, note which letter was absent. That feedback loop is the engine's real edge.

Confluence is king

The engine literally counts it. Broad agreement across tiers beats one strong component — be wary when a high score comes mostly from a single tier.

Avoid

Trading the 40–69 taps, forcing setups outside killzones, treating a 78 as a guarantee, or leaving both structure lengths at defaults without ever matching them to how you trade.

What this indicator is not

Being clear about limits is part of being useful. Confluence Engine is an analytical charting tool — here is what it does **not** do, on purpose.

- **It is not a signal service.** It does not tell you when to buy or sell. It counts what is aligned and stamps the evidence; the decision — and the responsibility — stays with you.
- **It does not predict the future.** The score measures how much of the checklist agrees right now. A 78 can lose and a 45 can run — any single reading can be wrong.
- **It does not promise profits.** No indicator does. Past behaviour of a level, sweep or score band does not guarantee future results. Validate on your own market in simulation first.
- **It is not an automated strategy.** It places no orders and manages no positions. It exposes BiasSeries, ConfluenceScore and Signal so your own strategy can read it — but execution and risk stay in your code and your hands.
- **It is not financial advice.** Everything in this guide is educational. Consult a qualified professional before making investment decisions.

Risk disclosure

Trading futures, foreign exchange and other leveraged products involves substantial risk of loss and is not suitable for every investor. Only trade with capital you can afford to lose. Hypothetical or simulated examples in this guide have inherent limitations and do not represent actual trading.

What it is

A disciplined way to keep structure, zones, imbalances, liquidity, location and timing on one clean chart — scored, explained, and receipted — so your preparation is faster and your decisions are better informed.

Troubleshooting & FAQ

► Does it repaint?

No. Pivots confirm after their lookback, and every event, zone change, sweep and signal is evaluated on the closed bar. The confirmation lag is intentional and disclosed.

► The indicator doesn't appear in the Indicators list

Check the import finished without errors (Tools → Import → NinjaScript Add-On), then restart NinjaTrader. It lives in the **TraderSuite** folder of the Indicators dialog, not the top level.

► Compilation error after import

Delete any older copy of the file first, then re-import so NinjaTrader compiles a single clean version.

► Why did a zone vanish?

Price closed through it — it's mitigated. The engine deletes dead levels so what remains still matters.

► The score is stuck at 0

Swing bias is neutral — no confirmed break yet. The score keys off swing direction by design; wait for the first BoS or CHoCH to confirm.

► Killzones look shifted

They're US-Eastern by definition and converted from your PC clock automatically — just check your Windows clock and timezone are correct, nothing else.

► What's the best timeframe — and does volume matter?

NQ / ES 5-minute is the shipped tuning. On 1-minute, raise both structure lengths; on 15-minute and above, lower the FVG minimum size. Any market works, but volume grading is weaker on symbols with synthetic volume.

► Signals feel rare

Correct — taps require both tiers aligned and the right side of equilibrium. Rare is the feature; the 40–69 band is where the discipline pays.

► Dashboard says X Internet required

The first validation of a new key needs a connection. After a successful check, licensed users ride a 7-day offline grace period.

► Dashboard says X Max activations reached

Your key is active on its maximum number of machines. Deactivate an old machine from your account dashboard, then activate this one.

Still stuck?

Email completetradersuite@gmail.com with your NinjaTrader version, the indicator version from the dashboard, and a screenshot. The TraderSuite Team will get you running.

Changelog

What changed in each release. Update through your account download page — import the new zip over the old version (delete the old file if NinjaTrader reports a duplicate).

Version	Notes
v1.0.0	Current build — initial release. The eight-component 0–100 confluence score with the ✓-row receipt; dual-tier BoS/CHoCH structure; volume-graded order blocks with mitigation cleanup; FVGs with inversion tracking; equal-highs/lows sweep memory; premium/discount map; killzone / HTF / VWAP tiers; score-stamped zone-tap signals; and the BiasSeries / ConfluenceScore / Signal automation series.

Staying current

Licence holders get every update free. The dashboard shows your installed version; compare it with the version on the product page whenever you like.



TraderSuite

Thank you for trading with Confluence Engine. For the latest build, video walkthroughs and support, visit us online.

Web tradersuite.online

Email completetradersuite@gmail.com