A decorative graphic in the top-left corner consisting of a black diagonal band with a pattern of red and grey dots of varying sizes.

# The 5 biggest misconceptions regarding low latency trading technology

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STAC Fall Chicago

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# 1. Only HFTs need FPGAs

**FPGA technology is not only for latency.**

- FPGA tech is great for latency when applicable -- also alleviates issues with data volumes & determinism
- Leverage FPGAs to extend your infrastructure capacity & limit your maximums
- Reduce overall footprint (ie power consumption & server rack usage)
- Requires less servers to digest the equivalent amount of data compared to pure software solutions

**Be smarter and faster.**



## 2. I've only used software, so FPGA technology is too difficult

**Upgrading your technology doesn't have to be overwhelming or high risk**

- Benefit from using FPGAs without necessarily having hardware expertise
- Use a stepwise approach - only move what is necessary into FPGA
- Scale to multiple venues with a team of one or two hardware engineers

**Don't reinvent the wheel, focus on what makes you different in the market**



### 3. All market data solutions are created equal

**Different strategies need different level of market data processing**

- Pattern matcher looking into raw data for ULL
- Ticker plants for fully normalized & aggregated view of the market
- Predictive signals for market trends & analytics

**Use the right tool for the right job**

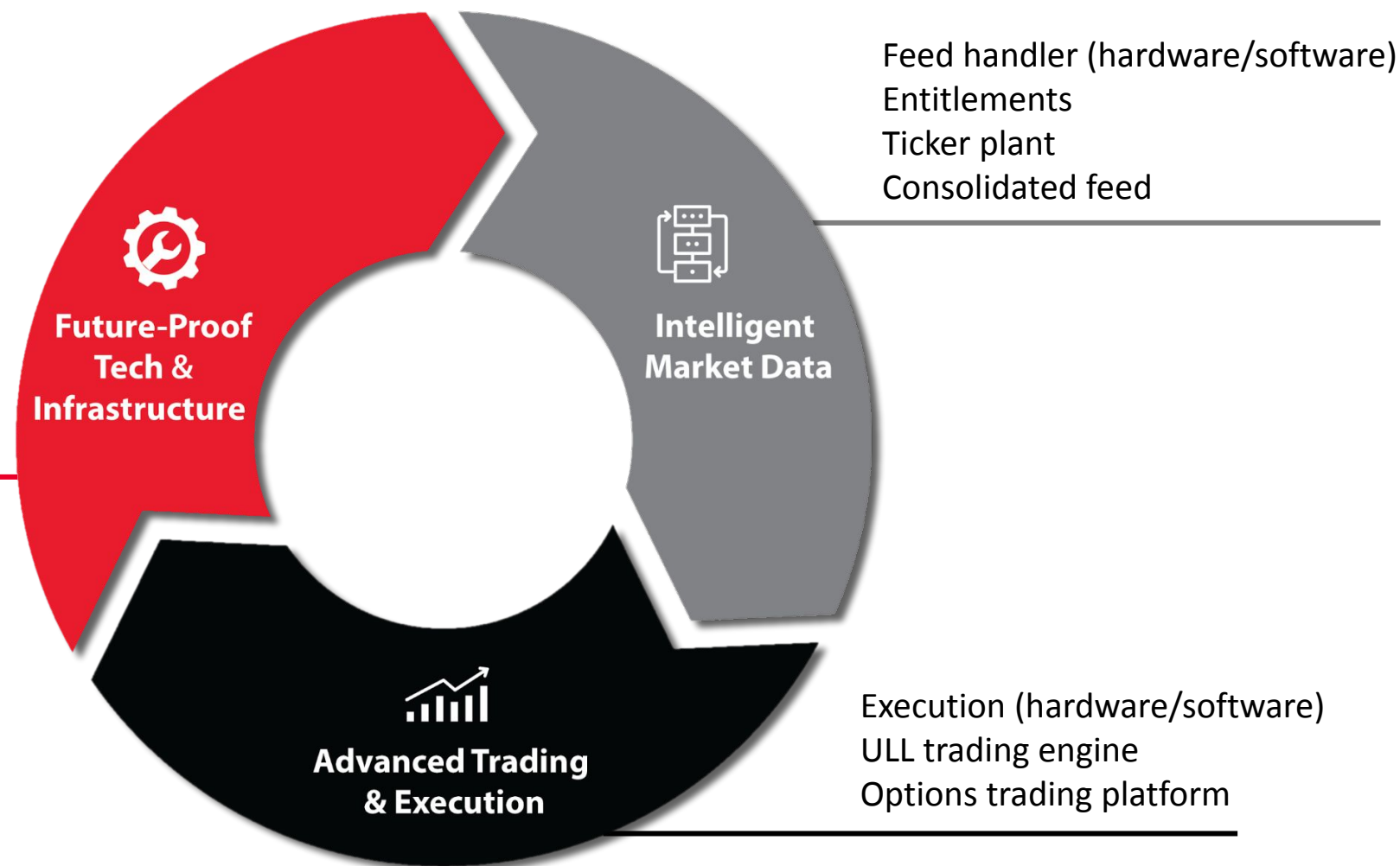


## 4. Using a vendor solution is giving up control

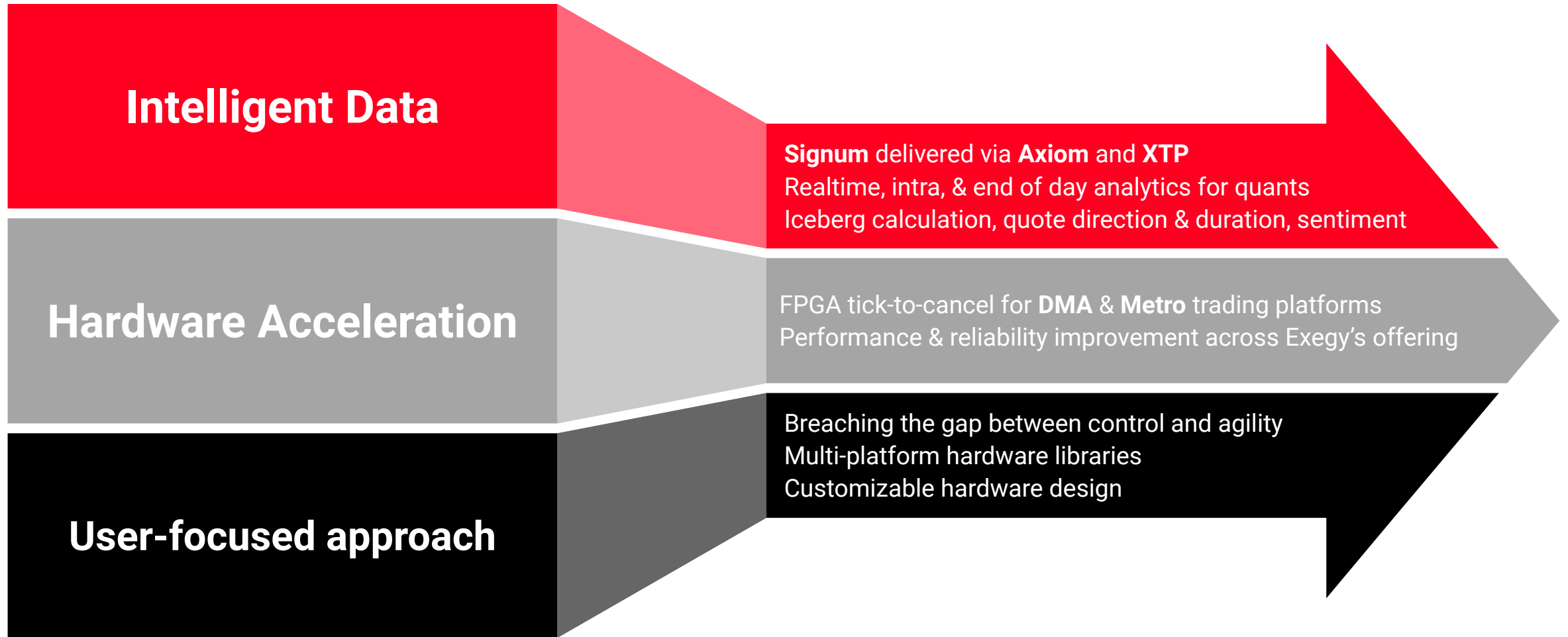
The vendor model has changed -- partners in technology, allowing for **both** flexible time-to-market & control

- **Solutions are no longer black boxes:** Open the box when needed -- technology needs to adapt to customer needs, not the reverse.
- **Buy to Build model:** Ability to give your teams what they need -- from technology components to full bespoke solutions.
- **Vendor engagement models have evolved:** Get the help you need where you need it -- from technology consultants to fully managed services.

## 5. Choose a partner not a vendor



# Extension of your team & Partner in innovation





**Don't forget to tick  
the Exegy box for  
more information**

**Thank you!**