CRL — Commercial & Use-Case Overview

Why Buy Conditional Retroactive Leverage

Executive Summary

If you already run a leveraged business, you don't buy CRL to get 'a nicer CFD'.

You buy it because it gives you a **new, defensible leverage line** that:

- your competitors don't have,
- your best clients can immediately understand,
- your regulator can respect,
- and your existing infrastructure can actually digest.

Lower churn is the consequence. **The competitive edge is the point.**

1. What CRL Is

CRL (Conditional Retroactive Leverage) is a **patent-protected payoff engine** that sits under your existing platforms and changes *when* and *how* leverage applies.

Until a trigger level is reached, the client is effectively linear and loss is capped at a known premium. When the trigger is hit in the client's favour, the entire price move from entry is **retroactively multiplied** by a leverage factor, creating a discontinuous payoff jump with capped downside.

You remain the issuer and risk owner. CRL is the calculation engine behind a new family of 'conditional leverage' products that you can brand and distribute as your own.

2. Why a Broker or Bank Would Actually Buy CRL

From a broker's seat, the real reasons to buy are not 'nicer simulations' or 'more elegant maths'. They are commercial, competitive and political.

2.1 A Leverage Line Nobody Else Can Copy

The CRL payoff — conditional, retroactive leverage with a structural jump at trigger and capped loss at premium — is covered by filed patent applications. This gives you:

- A product line you can legitimately present as **'only here'** in your segment
- A centrepiece for your leverage story that is not just 'more pairs, tighter spreads, higher max leverage'
- A defensible asset when you allocate scarce innovation budget

For your clients: *'Leverage only when you're right — a patented payoff available exclusively at [your firm].'*

CRL Technologies, Inc. 1313 N Market Street, Suite 5100 Wilmington, DE 19801 EIN: 61-2277123United States

2.2 A Magnet for Better Clients — Not Only More Clients

The traditional leverage shelf disproportionately attracts short-life gamblers, fragile retail who should probably not be leveraged at all, and only a minority of genuinely competent traders.

A structure where loss is capped, leverage applies only after a confirmed move, and the payoff is clearly explainable, is much easier to put in front of:

- Semi-professional and 'serious' active traders
- HNWIs and family offices via advisory channels
- Smaller funds and desks that currently refuse to touch 'CFD-style' leverage

CRL gives your sales teams a flagship leverage product that they can present **without embarrassment** to serious money.

2.3 Internal Politics: A Project Risk, Compliance and the Board Can Support

Every firm with leveraged business now faces the same questions: 'What are you doing to reduce client harm?' and 'Are you prepared for the next regulatory tightening on retail leverage?'

CRL gives you a concrete story:

'We did not just add warnings. We changed the shape of leverage so that clients are structurally less likely to be wiped out when they are broadly right on direction.'

Risk and Compliance see: structurally capped loss, explicit states with clear transition rules, and deterministic audit trails.

Sales sees: a new, marketable category ('conditional leverage') instead of another CFD variant.

The Board sees: innovation that improves outcomes without dismantling the existing business.

3. How CRL Differs from Existing Instruments

A Head of Product or Risk will ask: 'How is this different from turbos, barrier options or just structured notes?'

Feature	CRL	Turbo	Barrier Opt	CFD	Option
Leverage from day one	No (conditional)	Yes	Yes	Yes	No
Retroactive profit jump	**YES**	No	No	No	No
Payoff discontinuity at K	**YES (vertical)**	Continuous	At maturity	No	No
Max loss for client	**Premium only**	> premium	Varies	Margin+gap	Premium
Margin calls	**No**	Yes	Varies	Yes	No
Patent protection	**YES**	No	No	No	No

Strategic difference: Turbos, barriers and CFDs can be recomposed by any house with a basic quant team. CRL's core payoff is covered by patent filings and cannot be trivially replicated.

CRL Technologies, Inc. 1313 N Market Street, Suite 5100 Wilmington, DE 19801 EIN: 61-2277123United States

4. Economic Impact: Quantitative Evidence

In leveraged businesses, most losses and departures concentrate in the **first months** of client activity. Clients who survive beyond twelve months generate several times the lifetime value of those who burn out early.

Internal Monte Carlo testing (10,000+ scenarios, GBM dynamics, 18% annual volatility, 365-day horizon) comparing standard fixed-leverage with CRL-style conditional structure showed:

Early Wipe-Out Reduction	Median Relationship Extension
60-75%	**+5-6 months**

Disclaimer: Results based on internal Monte Carlo simulation using simplified price dynamics. Does not include transaction costs, behavioural factors or market microstructure effects. For professional assessment only. Full methodology available upon request.

5. Technical Readiness

CRL is delivered as a hardened production engine, not a slide deck. The system is live and serving multiple tenants with full audit integrity.

Metric	Specification
Core calculation latency	**<250 microseconds**
End-to-end latency (p99)	**<10 milliseconds**
Throughput	**146,000+ calculations/second**
Authentication	HMAC-SHA256 + mTLS (enterprise)
Audit trail	AWS KMS signed, WORM storage, 7-year retention
Compliance	MiFID II Article 16(6), EMIR fields, best execution evidence
SDKs available	Python, TypeScript, Java, C#, Go — published

Time to pilot is measured in weeks, not months. You are not committing to a core replacement; you are adding a tightly scoped calculation engine.

6. Commercial Model

CRL operates on a **setup + success fee** model designed to align incentives.

The ranges below reflect the competitive value of a patented payoff family that can materially change the economics of your leveraged business.

Component	Indicative Range
Setup / Integration Fee	**EUR 50,000 – 150,000**
Revenue Share	20% – 35% of CRL premium income
SLA Options	99.5% standard, 99.95% enterprise

CRL Technologies, Inc. 1313 N Market Street, Suite 5100 Wilmington, DE 19801 EIN: 61-2277123United States

Exact terms are agreed bilaterally based on scope, volume and partnership level. Typical structures include:

- **Integration Partner** – standard onboarding, access to SDKs and documentation, core SLA, email support. Best suited for Tier-3 brokers integrating CRL on a focused subset of instruments and client segments.

- **Strategic Partner** – higher-touch engagement with dedicated account management, enhanced SLA (up to 99.95%), support for broader SKU families and integration into multiple platforms or regions. Designed for larger Tier-2 issuers.

- **Early Partner Program** – preferred terms for firms joining in the current phase, including locked revenue-share bands, optional exclusivity (e.g. by region or asset class), and direct input into product roadmap and new SKU design.

The objective is straightforward: **you keep the majority of the incremental economics**, while CRL participates only where CRL-specific premium is actually generated.

Illustrative ROI for a Typical Tier-3 Broker

Consider a broker with approximately **2,000 active professional traders:**

CRL adoption rate	10% = 200 traders
Incremental ARPU	EUR 100/trader/month
Monthly incremental revenue	**EUR 20,000**
Churn reduction value (at-risk segment)	Internal Monte Carlo analysis on early-life cohorts indicates a 60–75% reduction in early wipe-outs for comparable leverage profiles, translating into **EUR 150,000+ per year** in preserved value on an at-risk segment of the book.

Under conservative assumptions, this yields:

- **Total annual impact:** approximately **EUR 240,000 – 400,000+** combining incremental ARPU and preserved lifetime value

- **Indicative payback on a mid-range setup fee:** well under **6 months**, with **80–90% of year-one upside** remaining with the broker

These figures are indicative and for professional assessment only. They are based on simplified price dynamics, internal Monte Carlo simulations and generic retention assumptions, and do **not** constitute a forecast for any specific firm. Actual outcomes depend on product design, client mix, risk constraints and distribution strategy.

What matters at the Board and ExCo level is the shape of the equation:

> A one-off setup in this range buys you a patent-protected product line that can add hundreds of thousands of euros per year in incremental and preserved revenue, without replacing your core systems or changing your licensing stack.

CRL is positioned as a **profit engine with measurable ROI**, not as an incremental cost line.

7. Next Steps

For a broker or bank evaluating CRL:

1. Have Product and Risk review this overview alongside your current leverage shelf
2. Have Quant review the formal payoff definition and simulation methodology
3. Have Technology assess the API, SDKs and operational model
4. Schedule a **30-minute technical demonstration** followed by sandbox access

> *CRL is not a promise of 'easy leverage'. It is a way for you to say, credibly:*
>
> **'We have a different, patented way to do leverage. It keeps more of our serious clients alive. And it is only available here.'**

Contact: info@crl-technologies.com
crl-technologies.com

CRL Technologies, Inc. | Delaware C-Corporation | Patent Pending