



NXW CCPI

CLOUD COMPUTING PLATFORM FOR INVESTMENT

Powering smarter investments *in the cloud*

No code. No barriers. Turning investment ideas into indexes — from design and back-testing to calculation, dissemination and trading.

100,000

indexes and indicators

5 min

to back-test an index, instead of 3 months

50,000

global stocks analysed

01

WHY CCPI

FAMILY OFFICES

\$6 tn

assets managed by family-office funds worldwide

10,720

single family offices expected in 2030, from 8,030 in 2024 – high-potential clients, focused on wealth preservation and growth across generations

“Cloud + AI; the future of the investment industry.”

CLOUD COMPUTING PLATFORM FOR INVESTMENT

A new market needs new investment tools.

CPI brings the whole life of an index – design, back-testing, calculation, dissemination and trading – onto one cloud platform, for institutions, family offices, funds and individual investors in Vietnam and abroad.

THE FINANCIAL CONTEXT

Uncertainty

More uncertainty and unpredictability: investors need long histories, dynamic and AI models, and alternative investments.

Market revolution

Index (1884) → fund (1924) → ETF (1993) → exchanges for tokenised real-world assets (RWA).

Where to invest?

Real estate, gold, bitcoin, equities, derivatives – and very different investor profiles: institutional or retail, intraday or long term.

Few providers

Geopolitical tensions and high volatility, while index providers and solutions remain very few.

VIETNAM, AN EMERGING MARKET IN TRANSFORMATION

FTSE upgrade

Emerging-market upgrade (March – September 2026), MSCI expected 2027–2028.

More instruments

Crypto, forex, commodities and more for domestic and global investors.

Digital assets

A regulated framework for crypto and digital assets since January 2026.

Financial centres

International Financial Centres in Ho Chi Minh City and Da Nang (December 2025).

Five players, one value chain — and very few index providers.

PLAYER	ROLE	EXAMPLES
Index providers	Development, design, back-testing, calculation, data and tools	MSCI · S&P Dow Jones · FTSE Russell · exchanges · NXW Indexes
Index product issuers	ETF issuers and fund managers: licences, governance, products, risk	BlackRock · Vanguard · Fidelity · State Street · Dragon Capital
Regulators	Disclosure, monitoring, investor protection, conflicts of interest	SEC (US) · AMF (France) · SSC (Vietnam)
Exchanges	Listing, trading organisation and platforms, RWA platforms	NYSE · Nasdaq · SGX · Euronext · HOSE / HNX
Brokers	Trading accounts, advisory and research, tools, education	Interactive Brokers · Fidelity · Schwab · SSI · VNDirect · HSC

OUR MODEL

From research centre to index powerhouse.

CRSP, created in 1965 with Merrill Lynch sponsorship and directed by Eugene Fama, turned an academic research centre into a global index business: data provider, bridge between universities and corporates, and from theory to products and services.

> \$3 tn

assets linked to CRSP indexes

100 y

of data history — but US only

35+

countries covered

700

large subscribers

CCPI follows the same path — with worldwide coverage, cloud computing and no-code tools.

About 100,000 indexes and indicators, every day.

NXW Global Indexes develops, calculates and maintains benchmark and tradable indexes and sentiment indicators (fear & greed, volatility, imbalance) – with predictors, recommendations, alerts and signals to come.

52,248

Vietnam indexes

19,002

global indexes

23,074

Vietnam sentiment
indicators

4,717

global sentiment indicators

INDEX MANAGEMENT SYSTEM (IMS)

Built for scale.

- 01 Big data**
Vietnam and global: 50,000 companies.
- 02 Engine**
Servers, formulas, API, models and computation engine.
- 03 Automation**
95% automated (KPI).
- 04 Outputs**
Websites, web services, data server, custom services, dashboards and a trading platform.

DIFFERENT PURPOSES

One engine, many uses.

- Academic research (like CRSP)
- Financial analysis: sector comparison, under / over-valuation
- Investment trends
- Prediction and sentiment
- Index products and funds

10 LEVELS OF INDEXES

Market · size · sector · style · thematic · geographic · smart beta · factor · AI-driven & alternative data · multi-asset / active

Four steps to a live index.

1

Design

International standard or customised.

2

Calculation

Real time or end of day.

3

Dissemination

Media, websites and data vendors.

4

Adjustment

For the next trading day.

3 months → 5 minutes

From index design to performance report: what usually takes a team about three months takes five minutes in the CCPI back-calculation module.

BACK-CALCULATION MODULE

Design → report → production.

01

Index design

Sampling by picking or by rules; version, currencies, formula, weighting, review.

02

Back-calculation

Apply the sample and specifications to CCPR data, from start date to end date.

03

Index report

Performance and risk, comparisons with competitors.

04

Pre-production

Set up the index in the IMS and monitor it for one month before production.

INDEX DESIGN

Vietnam or international universe.

Stock picking, by composition or rules-driven, with factors such as:

- Geography — country, region, continent
- Sectors — ICB, GICS
- Market cap — full, free-float, capped
- Risk — volatility, beta
- Liquidity — trading ratio, velocity, turnover, volume, spread
- Financial ratios — dividend, P/E, P/B, ROE, ROA, leverage
- Governance — gender, board, executives, independence
- Ownership — state, foreign, retail, institutions, family
- Momentum — 1M, 3M, 1Y ...

How quickly can your team do this?

BASIC CASE STUDY

INDEX	VNX Top 10 Logistics
BASE	1,000 on 31 Dec 2008 — price, net and total return
CURRENCIES	VND, USD, EUR, JPY, AUD
WEIGHTING	Equal weight, and free-float capped at 15%
REVIEW	Quarterly; effective the 3rd Friday of Mar, Jun, Sep, Dec
REPORT	Performance and risk 1M → all; contributions; ranking vs similar indexes

OTHER CASE STUDIES

Basic	Sector indexes — Top 10 Healthcare, Financials ex-banks, Energy, Brokerage — and growth vs value.
Intermediate	Factor weighting: Top 10 large, liquid and low-volatility; low-beta; or high-dividend-yield indexes.
Advanced	Dynamic allocation: 60/40 stock-bond indexes moving between 80/20 and 20/80; VIX-hedged indexes; IPO index.

No limit to your imagination and creativity.

CCPI SERVICES

Whatever your starting point.

Ready now: the full range of Vietnam benchmark indexes, customised indexes for large groups, associations and media, and sentiment indicators. In development: online back-testing and real-time indexes.

- 01 No index idea**
Selects one in our index catalogue to create a product.
- 02 An idea only**
Asks us to design it, or back-tests it himself — then asks us to calculate it.
- 03 An in-house index, short of resources**
Outsources the calculation to us.
- 04 An in-house index, needing independence**
Outsources to an independent provider: us.

Dashboard Lite: from market overview to your own index.

Market overview

Worldwide equities, currencies and commodities in real time.

Where to invest

Best investment products compared, from one month to six years.

Stock screener & analytics

1,500 Vietnamese and 50,000 global stocks: filter by country, sector, size, ratios, technicals and ESG.

Index screener & analytics

Find, rank and analyse indexes.

Sentiment & predictions

Sentiment indexes and combined predictions.

User becomes provider

Training and certificates, new indexes, my showroom and marketplace, trading of ETFs and tokenised assets.

TIMELINE — PROTOTYPE TO PRODUCTION

2010

Idea

IFRC created

2023

Prototype

VNX index family; 20,000+ indexes; IMS

2023

Product

Structure, websites, functions, case studies

01/2027

Presentations

Conferences, seminars, meetings

07/2027

Live

Launch

PROGRESS

Data

75%

Software

50%

IT structure

20%

R&D, marketing

20%

NEXT STEPS

Cloud-native, multi-cloud architecture

Real-time data platform

FinOps cost control and monitoring

Automated security and governance

AI for forecasting, risk and advice



PROJECT LEADER & INITIATOR · CCPI

Dr. Huu Minh MAI

Committed to providing reliable and advanced financial solutions for customers, investors and researchers.

PhD

Finance — Paris Dauphine / ENSAE · 2 awards, 1993

25+

years in derivative and index markets

≈ 20

research publications

PHD & AWARDS

Thesis: « Predictability of Returns on the French Stock Market: 1977–1990 ». Winner of the 1993 Société des Bourses Françaises Award for the best French thesis in finance and of the 1993 Jean-Bertrand Nogaro Award of the Academy of Paris.

PROFILE

A well-known expert combining academic excellence with market practice, with a background in finance, mathematics, statistics and data. Master's degrees in Mathematics, Quantitative Economics and AI, and a PhD in Finance from Université Paris Dauphine / ENSAE (France).

INDEXES & DERIVATIVES

More than 25 years of experience in derivative and index markets: he has developed and managed many indexes and products, including derivative instruments and ETFs.

RESEARCH

Author of about 20 research publications in French and international journals and of the book *Options, Futures and Exotic Derivatives — Theory, Application and Practice* (Wiley).

LEADERSHIP AT IFRC

Under his leadership, IFRC launched successful projects such as the Index Group, the Vietnam Derivatives Market Initiative and the Vietnam Economic and Financial Research Centre.

AT NXW HOLDINGS

As co-founder and head of research & development, he creates innovative, intelligent and efficient financial solutions on big-data platforms; NXW's core capabilities include financial consulting, investment strategy and data analysis.

CURRENT POSITIONS

Co-Founder, Head of R&D / Indexes · NXW Holdings · 2023

Executive Director · VIDE — Vietnam Institute of Digital Economy Development · 2026

Deputy Director · IREEDS — Institute of Research in Economics, Environment and Data Science

Member · VNCONNECT

CEO & Founder · IFRC — Intelligent Financial Research & Consulting · 2010

General Director · CRQFT — Center of Research on Quantum Finance and Technologies · 2026

Editorial Board Member · Bloomberg Businessweek Vietnam

CONTACT US

Let's build the *next wealth* together.

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