NEXT WEALTH

NXW CCPI

CLOUD COMPUTING PLATFORM FOR INVESTMENT

One single access
for everything you need to learn and practise investment

Markets, data, indexes and tools in the cloud, for students, lecturers, investors and professionals, from beginner to expert.

87	4	0
markets in one access point	asset classes: equity, commodity, forex, crypto	real money at risk

01

WHAT IS CCPI

PROMISE

"One single access for everything you need to learn and practise investment."

USERS

Beginners: no coding, no finance background needed

Intermediate users: analysis and back-tests

Experts: index design, quantitative research

Students, lecturers, investors, corporates

CLOUD COMPUTING PLATFORM FOR INVESTMENT

Investing is learnt by doing, *without risking real money.*

CCPI, the Cloud Computing Platform for Investment, brings markets, data, indexes and tools together in one online platform. Students, lecturers, investors and professionals open the markets, read the data, build indexes and test ideas from a browser: no data subscription to buy, no software to install, no powerful computer needed.

Markets

Overview, performance, OHLC and a details page for each of the 87 markets.

Database

Every table documented, with a notice and a column dictionary, ready to download.

Indexes

The IMS engine computes indexes; the Index builder designs, back-tests and publishes them.

Market Place

Indexes and strategies shared by users, and challenges between them.

OBJECTIVES

01 Give every student a realistic market to learn on, at no risk.

02 Make index design and back-testing open to everyone, not only to large institutions.

03 Shorten the path from an investment idea to a tested, documented result.

IN NUMBERS

87
markets in one access point

4
asset classes: equity, commodity, forex, crypto

2023
daily data since January 2023

0
real money at risk

02

CORE CAPABILITIES

ONE PLATFORM

Markets, data, indexes and a community in the same place, with the same rules for every user.

Nine capabilities, *from the first chart to a published index.*

01 Markets

Equity, commodity, forex and crypto markets in one table.

02 Performance

Returns from 1 week to 3 years, ranked, with colour codes.

03 OHLC & details

Daily open, high, low, close, volume, and a page per market.

04 Documented database

A notice and a column dictionary for every table.

05 IMS engine

Price, total return and net return indexes, the professional way.

06 Index builder

Design, back-test, analyse and publish an index without coding.

07 Market Place

Publish, compare and rank indexes and strategies.

08 Challenges

Competitions for a class, a school or the whole community.

09 Cloud access

Everything in a browser, in English, Vietnamese, French and Chinese.

THE CCPX ECOSYSTEM

CCPI is the investment engine of CCPX.

Four NXW platforms share one access, one data centre and one community: research, investment, strategies and education.

CCPR RESEARCH	Big data, finance engineering, publications and reporting for Master's, PhD, researchers and corporates.
CCPI INVESTMENT	Markets, data, the IMS index engine and the Index builder, for learning and practising investment.
CCPS STRATEGIES	Short-term strategies, signals, alerts and execution through API.
CCPE EDUCATION	Courses, certificates and the Financial, Technology and Data (FTD) Institute.

03

INDEXES

WITHOUT CODING

"The Index builder turns an idea into a documented index, with the same engine for every user."

Design, test, analyse, publish: *your index in four steps.*

Design
STEP 1

Choose the universe, the selection rules, the weighting and the review dates.

Back-testing
STEP 2

Compute the index on past data with the IMS engine.

Analytics
STEP 3

Returns, volatility, drawdowns and comparison with benchmarks.

Dissemination
STEP 4

Publish the index with its methodology, or share it on the Market Place.

THE IMS ENGINE

The engine that computes indexes, the way index providers do.

PI, TRI and NRI

Price, total return and net return indexes from the same components.

Divisor

Keeps the index continuous when components or weights change.

Capping

Weights capped by component or by group at each review.

Corporate actions

Dividends, splits and rights issues handled in the calculation.

Currencies

Indexes in local currency, converted into other currencies.

Every step shown

Components, weights and daily values can be checked by the user.

DATA

Simulated, documented, ready for class.

Close to real markets

Drift, volatility and rare jumps, by asset class.

Daily since 2023

Prices and volumes for every market, every day.

Clearly labelled

Every table says in its notice that its data are simulated.

04

WHY CCPI

THE OBSTACLES

Scattered and costly data, practice with real money, and index tools reserved for specialists: CCPI removes all three.

Markets are hard to learn, *and mistakes are expensive.*

WITHOUT CCPI AND WITH CCPI

TOPIC	USUALLY	WITH CCPI
Market data	Many sources and formats, costly subscriptions	**One documented database, all markets in the same format**
Practice	Learning by losing real money	**Realistic simulated markets, no loss**
Index design	Specialised software and teams	**IMS engine and Index builder for everyone**
Back-testing	Programming needed	**Four steps, no coding**
Sharing	Results stay on one computer	**Market Place and challenges**
Access	Installed software, powerful computer	**A browser, in four languages**
Teaching	Cases and data prepared by hand	**Ready-made data, exercises and rankings**

BENEFITS

Students

Markets to practise on
Data for assignments and theses
Rankings and challenges

Lecturers

Ready-made cases and data
Exercises on indexes
Classes in one place

Investors

Test ideas before investing
Compare markets and indexes
Learn the rules of each market

Institutions

Custom indexes and back-tests
Staff training
Data and research on demand

0 VND

of real money at risk: every market of CCPI is simulated, so mistakes cost nothing and teach a lot.

05

ROADMAP

STEP BY STEP

CCPI opens module by module: each new module is tested with users before it is open to everyone.

Open the markets, build the indexes, *then trade.*

Markets, data and indexes

NOW

+ Markets and their details pages
+ Documented database
+ IMS engine and Index builder
+ Market Place

Trading and analysis

NEXT

+ Virtual trading with an order book
+ Charts and pricers
+ Strategies and performance

Courses and competitions

LATER

+ Curriculum and classes
+ Competitions between schools
+ Data and API services

COMING SOON

Trading and tools, added step by step.

Trade

Orders against a live order book, positions, P&L, margin calls.

Charts

Watchlist, moving averages and Bollinger bands.

Pricers

Futures fair value, option pricing with Greeks.

Strategies

Payoff simulator for options and futures.

Performance

Equity curve, drawdown, Sharpe ratio, fees.

Rules

Exchange, broker and regulator rules, crisis events.

Learn

Curriculum, documents, feature catalogue.

Your idea

A module you need? Tell us at contact@nxw.vn.

06

SERVICES

FOR WHOM

Schools and universities, exchanges and brokers, funds and corporates, sponsors and partners.

Build less, learn faster, *with the NXW team.*

01 Training and courses

Courses on markets, indexes and strategies, on the platform, for schools and companies.

02 Custom indexes

Design, calculation and dissemination of indexes for funds, exchanges and corporates.

03 Data and research

Data sets, studies and back-tests prepared for your questions.

04 Your own platform

CCPI for your school or organisation, with your markets and your users.

COOPERATIONS

Built with partners, academic and corporate.

CCPI is built with universities, institutes and companies that share its goal: a realistic place to learn markets and indexes, open to students and professionals.

IFRC | BEQ HOLDINGS | CRQFT | VIDE | IREEDS

Universities and schools

CCPI in finance courses, with classes, assignments and rankings.

Exchanges and brokers

Market rules and products, so the platform stays close to real markets.

Sponsors

Competitions, scholarships and new modules.

07

LEADERSHIP



PROJECT INITIATOR & LEADER · 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

INDEXES & DERIVATIVES	More than 25 years in derivative and index markets: about 15 years as head of R&D at the Paris derivatives exchange (MONEP, MONEP–MATIF, NYSE Euronext indexes), then the IFRC family of about 20,000 Vietnam and international indexes.
SIMULATION	In 2014 he launched VDMI, an online simulator for learning to trade derivatives without risk: a forerunner of CCPI.
RESEARCH	About 20 research publications in French and international journals and the book Options, Futures and Exotic Derivatives — Theory, Application and Practice (Wiley).
ACADEMIA	PhD director, thesis director for Master's students in Vietnam, lecturer in European universities and business schools.
AT NXW HOLDINGS	As co-founder and head of research & development, he creates innovative, intelligent and efficient financial solutions on big-data platforms.

CURRENT POSITIONS

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

Executive Director · VIDE — Vietnam Institute of Digital Economy Development

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

CEO & Founder · IFRC — Intelligent Financial Research & Consulting

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

Editorial Board Member · Bloomberg Businessweek Vietnam

CONTACT US

Let's build *the next wealth together.*

NXW HELPDESK

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This brochure is for information only and is not investment advice. CCPI market data are simulated for learning and are not real prices.