
POWER
OF THE
MANY
MASTERCLASS DIGITAL ENERGY
EXECUTIVE EDUCATION CERTIFIED BY:
Erasmus Centre for
Data Analytics
ECET

This masterclass is hosted by the 2Tokens Foundation, in collaboration with partners from the ecosystem.

2Tokens is a community-driven initiative based in the Netherlands that is dedicated to advancing the adoption and implementation of blockchain & tokenization. Composed of blockchain experts and thought leaders, the 2Tokens community aims to create a standardized framework for tokenization to help businesses and individuals navigate the complexities of this emerging technology.

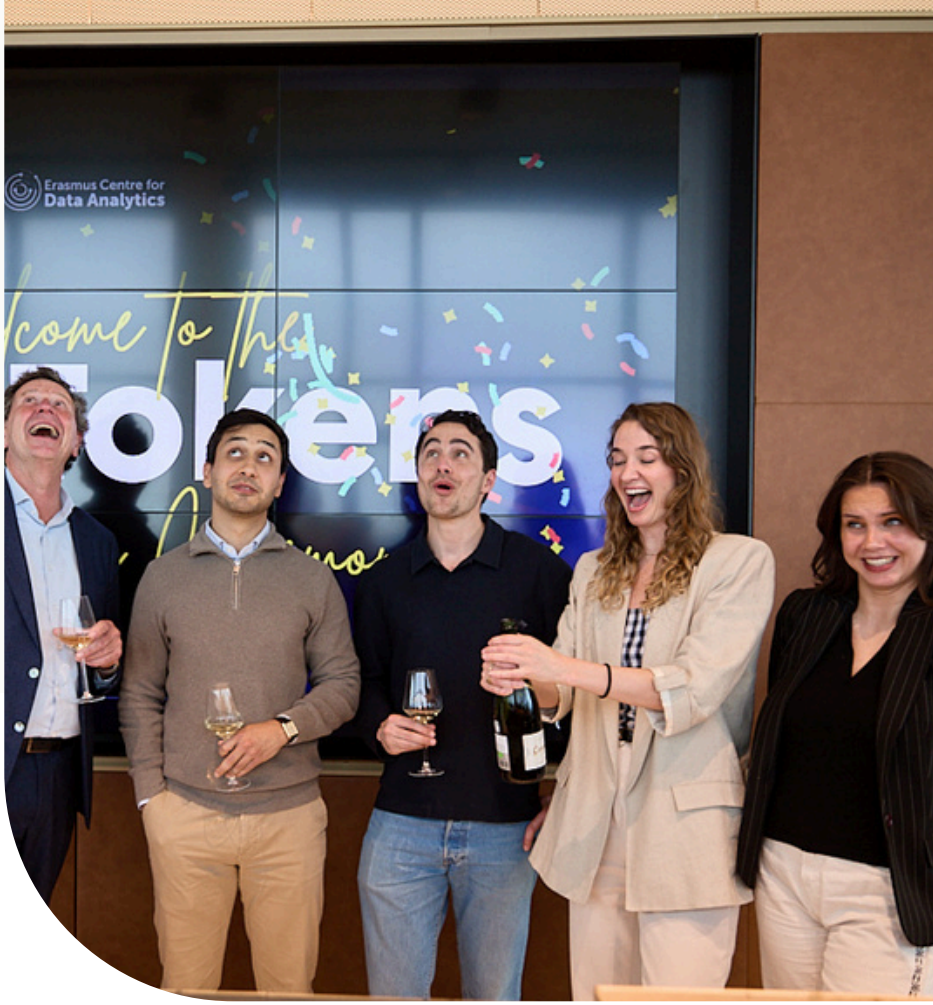
In collaboration with:

2Tokens

Erasmus Centre for Data Analytics

ECET Erasmus Centre for Energy Transition

Osborne Clarke



All participants will receive a copy of Power of the Many — a thought-provoking book that brings together visionary ideas and real- world case studies on decentralized energy."

Alex Bausch, Chairman 2Tokens

Europese Unie
Europees Fonds voor Regionale Ontwikkeling

Your Journey: Learn how digital tokens can be used for participation, ownership structures, reward mechanisms, and efficient management of energy flows within your community

Policy Frameworks, the Digital Basics

Decentralized Participation in Local Energy Ecosystems

Energy Management Systems and Decentralization

Innovation, Sustainability & Future of Energy Transactions

Digital Energy Best Practices

2Tokens

What to Expect

Mix of Offline & Online Setting

The program is thoughtfully curated for an offline setting. We start later in the afternoon and finish before 8 pm. A light dinner is included.

Homework & group exercises

Focus on interactions & participation. The lectures are enriched by homework, interactive elements such as group exercises, presentations, and discussions.

Expert Lectors

Led by experts from diverse backgrounds, including professors and industry geeks; all at the forefront of blockchain research and application.

Grow Your Network

Connect with the 2Tokens community & 100+ masterclass alumni coming from diverse backgrounds, including academics, law, government, finance, and technology.

Ceremony & Certificate

Upon completion, you receive a certificate credited by Erasmus University Rotterdam - Erasmus Centre for Data Analytics, accompanied by a celebratory toast.

2Tokens

5 Reasons to Follow the Masterclass

1

Strategic Perspective

Gain a strategic overview of emerging models of energy collaboration and value exchange, powered by blockchain and tokenization. Learn how these innovations can help you navigate market shifts.

2

Collaborative Networks

Navigate the blockchain landscape effectively with an extensive network and deep knowledge. At 2Tokens, we connect you with a community of experts and industry leaders, ensuring you have the support and insights needed.

3

Comprehensive Curriculum

Gain a comprehensive understanding of blockchain from technical, legal, and business perspectives. This well-rounded education is essential for effectively navigating the complexities of the crypto spaces.

4

Practical & Use Cases

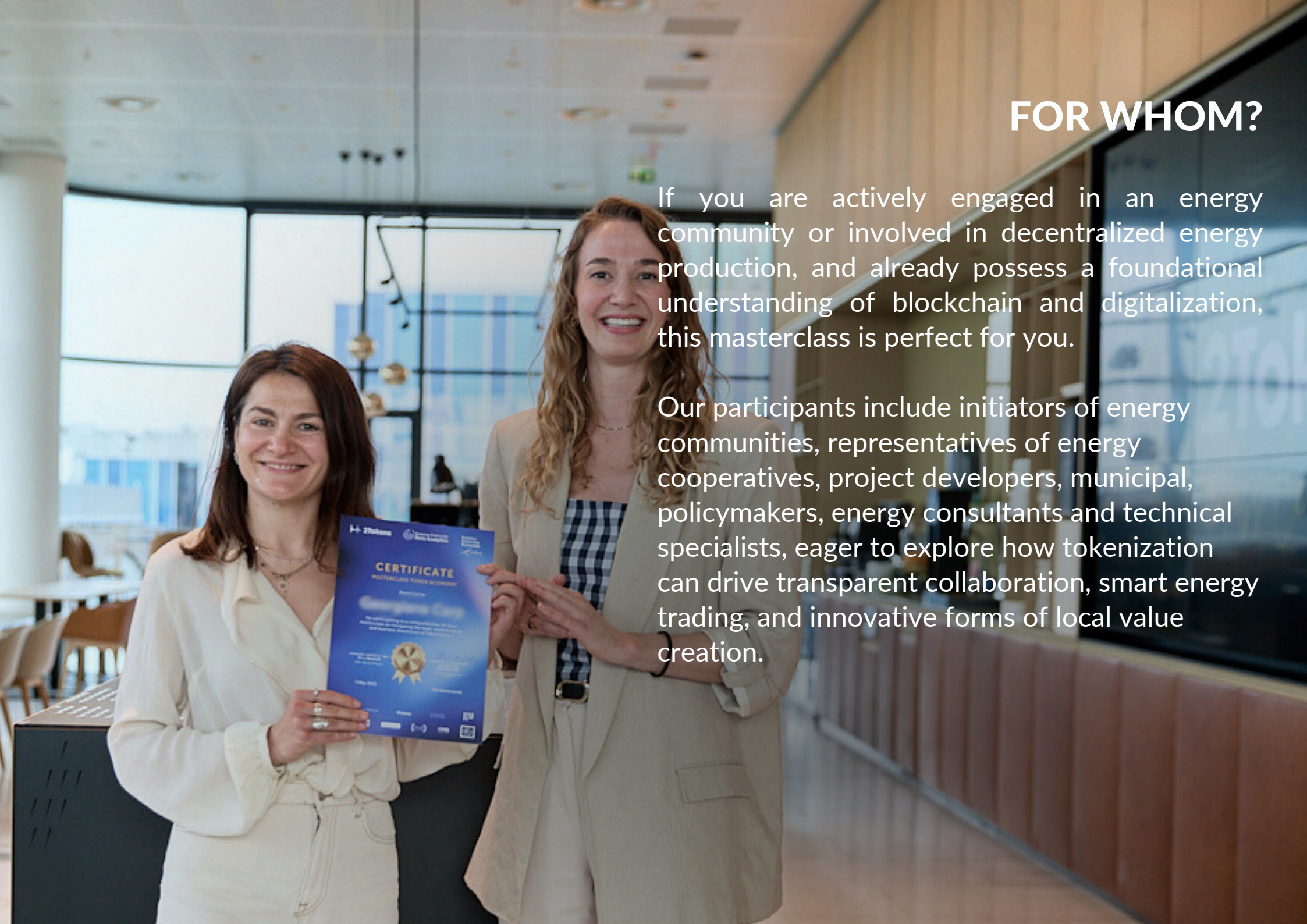
Join hands-on sessions where you can create tokens and smart contracts in minutes. These classes are enriched with real-life case studies, showcasing the practical impacts and opportunities of blockchain technology.

5

Personal Business Case

Bring your own business case to the table and discuss with lecturers and peers. Classes are tailored to help you use tokenization to improve your business model, offering insights that can influence the success of your venture.

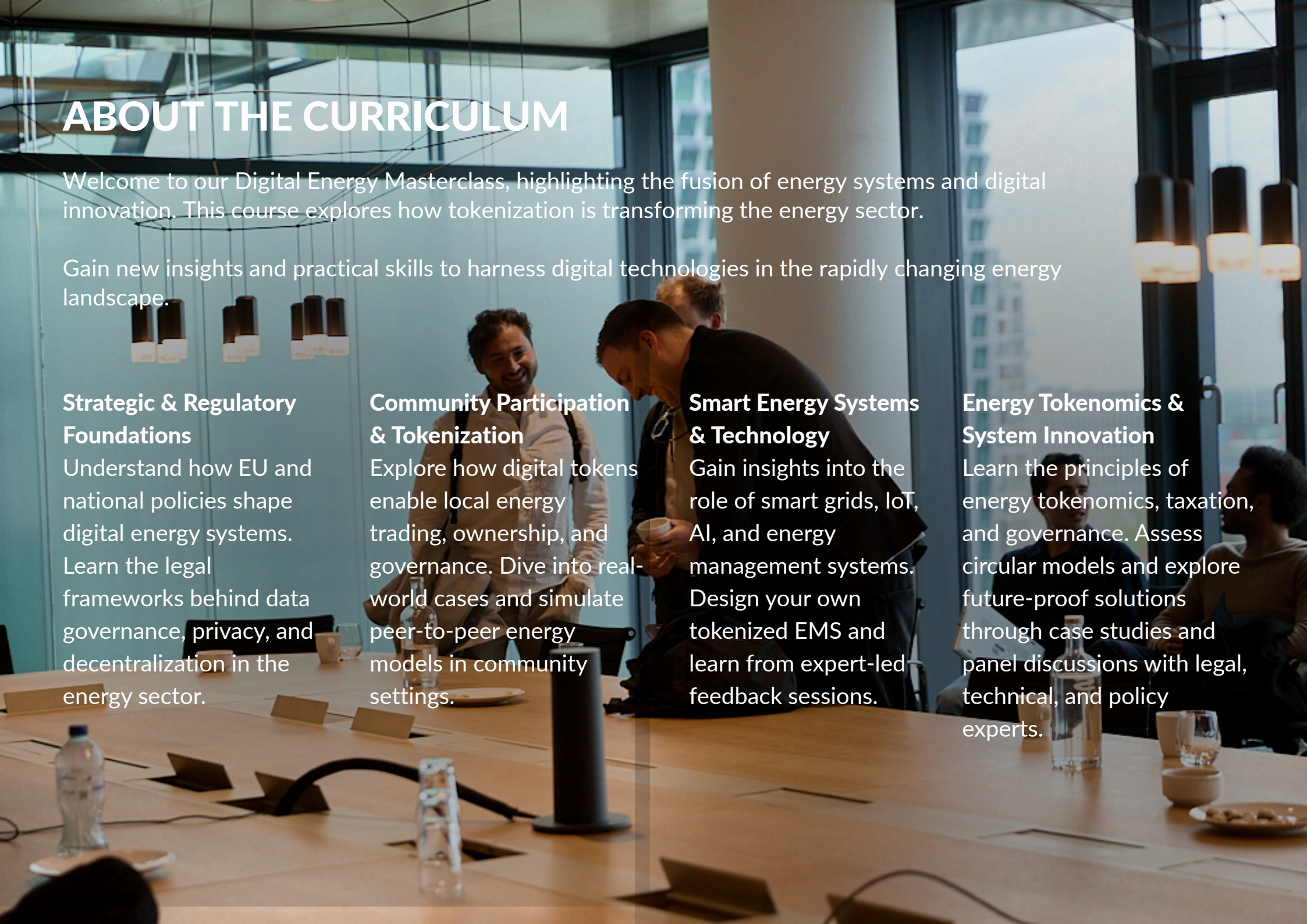
2Tokens



FOR WHOM?

If you are actively engaged in an energy community or involved in decentralized energy production, and already possess a foundational understanding of blockchain and digitalization, this masterclass is perfect for you.

Our participants include initiators of energy communities, representatives of energy cooperatives, project developers, municipal, policymakers, energy consultants and technical specialists, eager to explore how tokenization can drive transparent collaboration, smart energy trading, and innovative forms of local value creation.



ABOUT THE CURRICULUM

Welcome to our Digital Energy Masterclass, highlighting the fusion of energy systems and digital innovation. This course explores how tokenization is transforming the energy sector.

Gain new insights and practical skills to harness digital technologies in the rapidly changing energy landscape.

Strategic & Regulatory Foundations
Understand how EU and national policies shape digital energy systems. Learn the legal frameworks behind data governance, privacy, and decentralization in the energy sector.

Community Participation & Tokenization
Explore how digital tokens enable local energy trading, ownership, and governance. Dive into real-world cases and simulate peer-to-peer energy models in community settings.

Smart Energy Systems & Technology
Gain insights into the role of smart grids, IoT, AI, and energy management systems. Design your own tokenized EMS and learn from expert-led feedback sessions.

Energy Tokenomics & System Innovation
Learn the principles of energy tokenomics, taxation, and governance. Assess circular models and explore future-proof solutions through case studies and panel discussions with legal, technical, and policy experts.

Session 1: Policy Frameworks, the Digital Basics

TOPICS

Energy Law and Digitalization

Implementation of the new Energy LawEU Directives (such as EU 2019/944)

Data exchange and privacy (GDPR)

Cybersecurity in energy infrastructure

Introduction to Digital Tokens

Initial exploration of tokenization within energy applications

Introduction to Energy Regulation (EU & NL)
An overview of how energy is regulated both at the European Union level and within the Netherlands, covering key laws, policies, and regulatory bodies.

Case Study: Local Legislation on Energy Data
An in-depth look at specific local laws governing the collection, use, and sharing of energy-related data—likely focusing on real-world application and consequences.

Guest Lecture: Energy Law Expert (Jurist)
A session led by a legal professional specializing in energy law, offering practical insights into current legal frameworks, challenges, and emerging issues in the energy sector.

Mini-Debate: The Clash Between Privacy and Digitalization in Practice
A structured discussion where participants explore and challenge how increasing digitalization (like smart meters or data sharing) conflicts with individual privacy rights in real-world contexts.

Reflective Assignment: Ethical Implications of Digitalization
An individual task encouraging critical thinking about the moral and societal consequences of digital technologies—especially in relation to energy systems and data usage.

Session 2: Decentralized Participation in Local Energy Ecosystems

TOPICS

Active Consumers and Energy Communities

Peer-to-peer energy trade

Digitalization within energy communities

Electrification and Sector Integration

Integration of electricity, heat, hydrogen

Smart management of hybrid systems

Use cases in energy communities

Participation models via tokenization

P2P Models and Tokenization in Practice
Exploring real-world applications of peer-to-peer (P2P) energy trading systems and how blockchain/tokenization is used to facilitate decentralized energy exchange.

Case Study: Schoonschip + Energie Samen
A detailed look at two pioneering Dutch energy initiatives—Schoonschip (a sustainable floating neighborhood) and Energie Samen (a national cooperative movement)—to understand community-led energy transitions.

Workshop: Simulating a Local Energy Community Using Tokens
A hands-on session where participants simulate how a local energy community could function with digital tokens for trading and governance.

Guest Speaker: Energy Cooperative Representative
A practitioner from an energy cooperative shares real-life experiences about running decentralized, citizen-driven energy projects.

Discussion: Societal Effects of Decentralization
A critical conversation about how decentralizing energy systems affects communities, governance, equity, and resilience.

2Tokens

Session 3: Energy Management Systems and Decentralization

TOPICS

Smart Grids and Congestion Management

Smart Grids: AI, IoT, blockchain

Flexibility and Energy Storage

Digital platforms for flexibility

Monitoring and management of storage

Digital Transformation and Customer Engagement

Dynamic pricing models

Explanation of Smart Grids, IoT, and AI in Energy Management Systems (EMS)
An introduction to how smart grids, Internet of Things (IoT) devices, and artificial intelligence are integrated into modern EMS to optimize energy usage, forecasting, and system control.

Simulation Exercise: Designing a Tokenized EMS in Small Groups
A collaborative activity where participants create conceptual designs for an energy management system that uses tokens—applying what they've learned in a practical, creative way.

Guest Lecture: Technical Expert
A session led by a Chief Technology Officer or a technical specialist, providing professional insights into real-world system architecture and innovations in the energy tech space.

Feedback Round: Peer + Expert Review of Designs
An interactive moment where each group receives constructive feedback on their designs, both from fellow participants and the invited expert.

Documentation Assignment: Create Your Own Neighborhood Token Concept
An individual task in which each participant sketches and documents their vision for a token system tailored to a local neighborhood energy community.

Session 4: Innovation, Sustainability & Future of Energy Transactions

TOPICS

Sustainability and Energy Efficiency

Smart home/building applications

Digitalization as an accelerator of sustainability

Digital Tokens and New Market Forms

Tokenomics and market mechanisms

Legal and fiscal aspects

Insights from 2Tokens Masterclass

Introduction to Energy Tokenomics, Taxation, and Governance
A foundational session explaining the economic principles behind tokens (tokenomics), how they are taxed, and what governance models are used to manage tokenized systems.

Case Study: Circular Energy Project Using a Token Model
An exploration of a real-world energy project built on circular principles (sustainability, reuse) that incorporates a token-based system to manage value and participation.

Panel Discussion: Legal Expert, Energy Innovator, and Policy Maker
A multi-perspective conversation featuring a lawyer, a tech innovator in the energy sector, and a public official—discussing challenges and opportunities in tokenized energy systems.

Reflective Assignment: What Will You Bring Back to Your Organization?
A moment for personal reflection, encouraging participants to connect insights from the course to their own professional context or organization.

Session 5: Best Practices & Cerimony

Closing Moment: Certification & Invitation to Alumni Network

A wrap-up session celebrating completion, awarding certificates, and inviting participants to join an alumni network for ongoing collaboration and knowledge exchange.

2Tokens

LECTORS

MICHEL CHATELIN

Partner
Osborne Clarke

DION BONGAERTS

Full professor
RSM Erasmus

OLIVIER RIKKEN

Dr DAO
2Tokens

JOS RÖLING

Principle IT Architect
IBM

ROBBRECHT VAN AMERONGEN

Head of IoT
CONCLUSION

LEONIE REINS

Professor of Public Law and Sustainability
Erasmus School of Law

MARISCA ZWEISTRA

Project Manager Slim Laden
ElaadNL

LEO DIJKSTRA

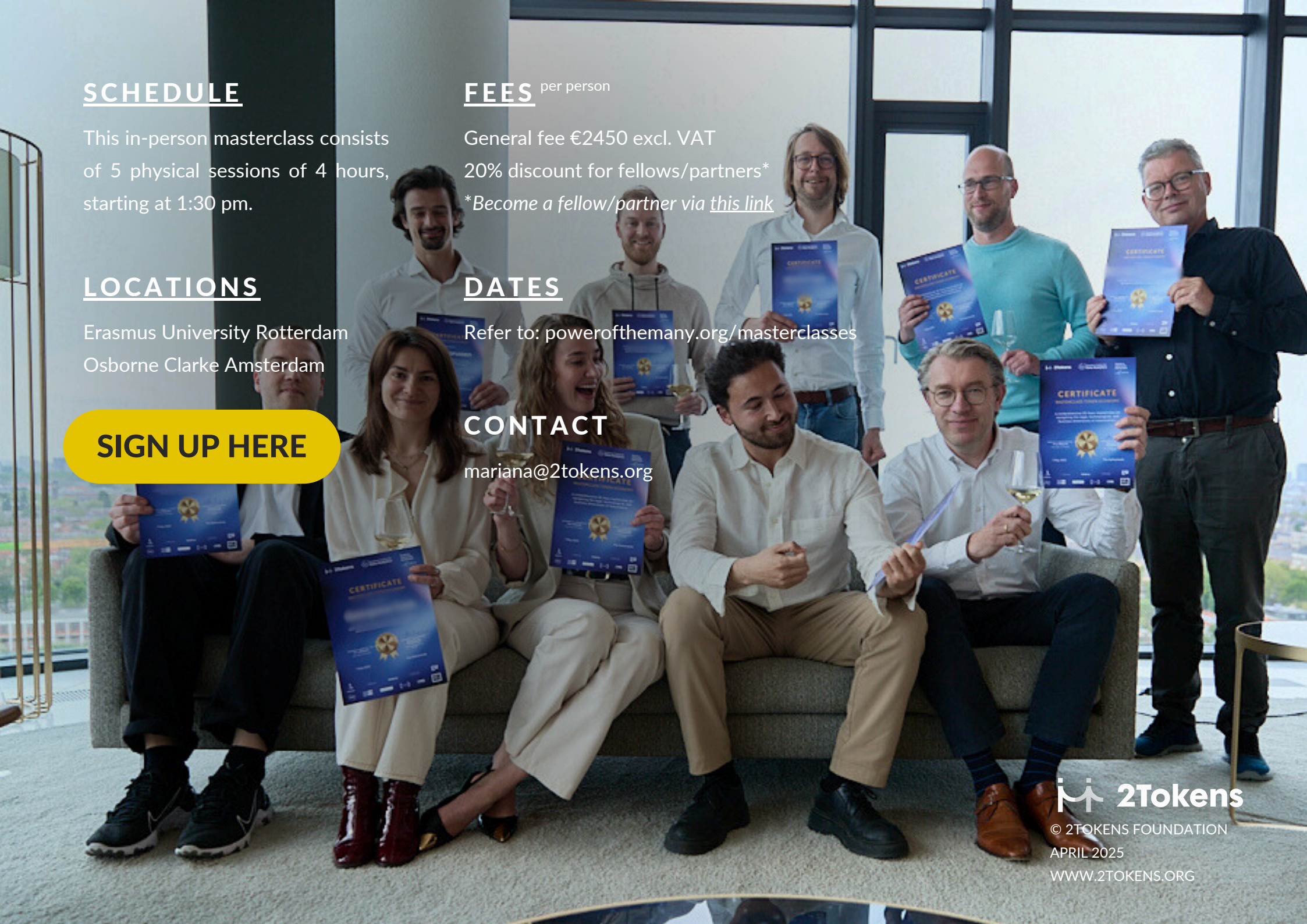
Industry leader Comms
IBM

YASHAR GHIASSI

Associate Professor
RSM Erasmus

GUEST SPEAKERS

We proudly assemble a diverse group of industry experts and guest lecturer



SCHEDULE

This in-person masterclass consists of 5 physical sessions of 4 hours, starting at 1:30 pm.

FEES per person

General fee €2450 excl. VAT

20% discount for fellows/partners*

**Become a fellow/partner via this link*

LOCATIONS

Erasmus University Rotterdam

Osborne Clarke Amsterdam

DATES

Refer to: powerofthemany.org/masterclasses

SIGN UP HERE

CONTACT

mariana@2tokens.org

2Tokens

APRIL 2025

WWW.2TOKENS.ORG