



A vision of Smart Manufacturing in a digitally interconnected ecosystem

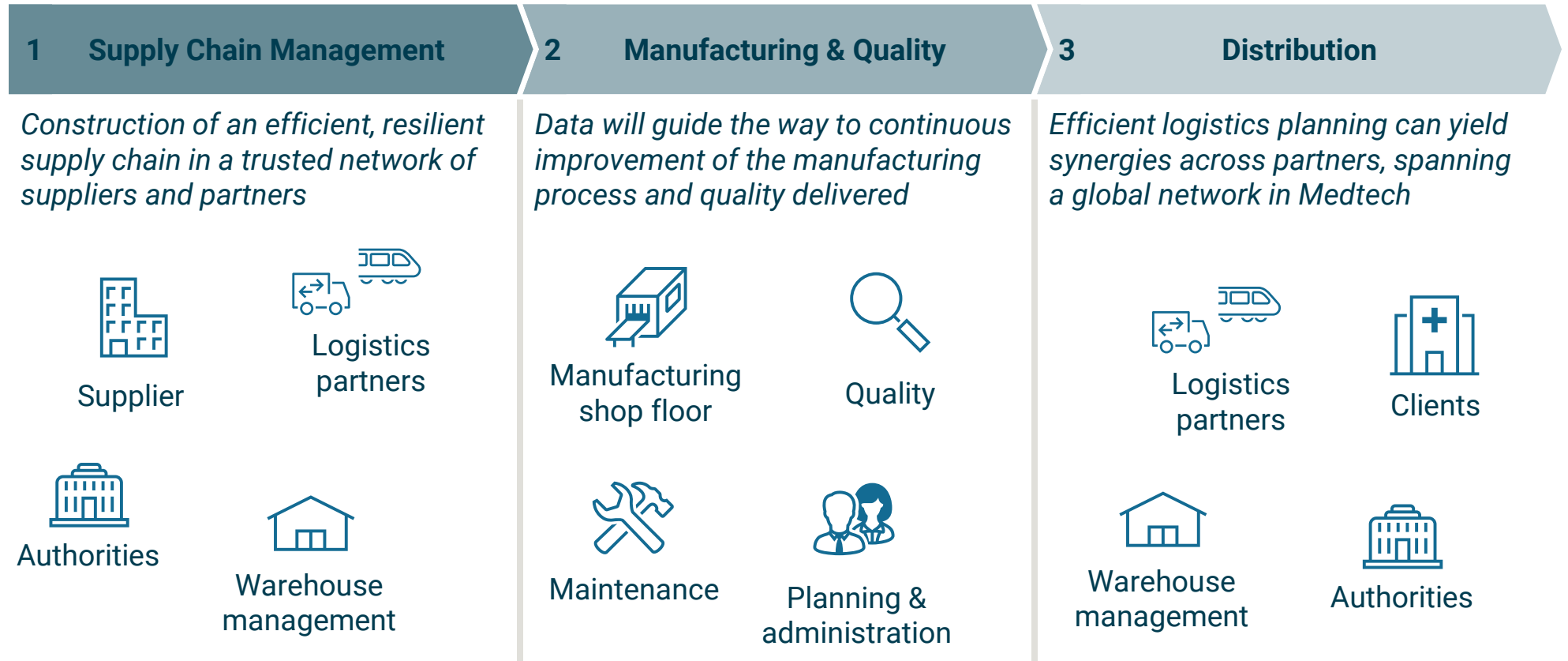
Improve efficiency – enable scalability –
unlock traceability and interoperability

d-fine

analytical. quantitative. tech.

Medical technology manufacturing

On the mission to deliver quality products for patients in need

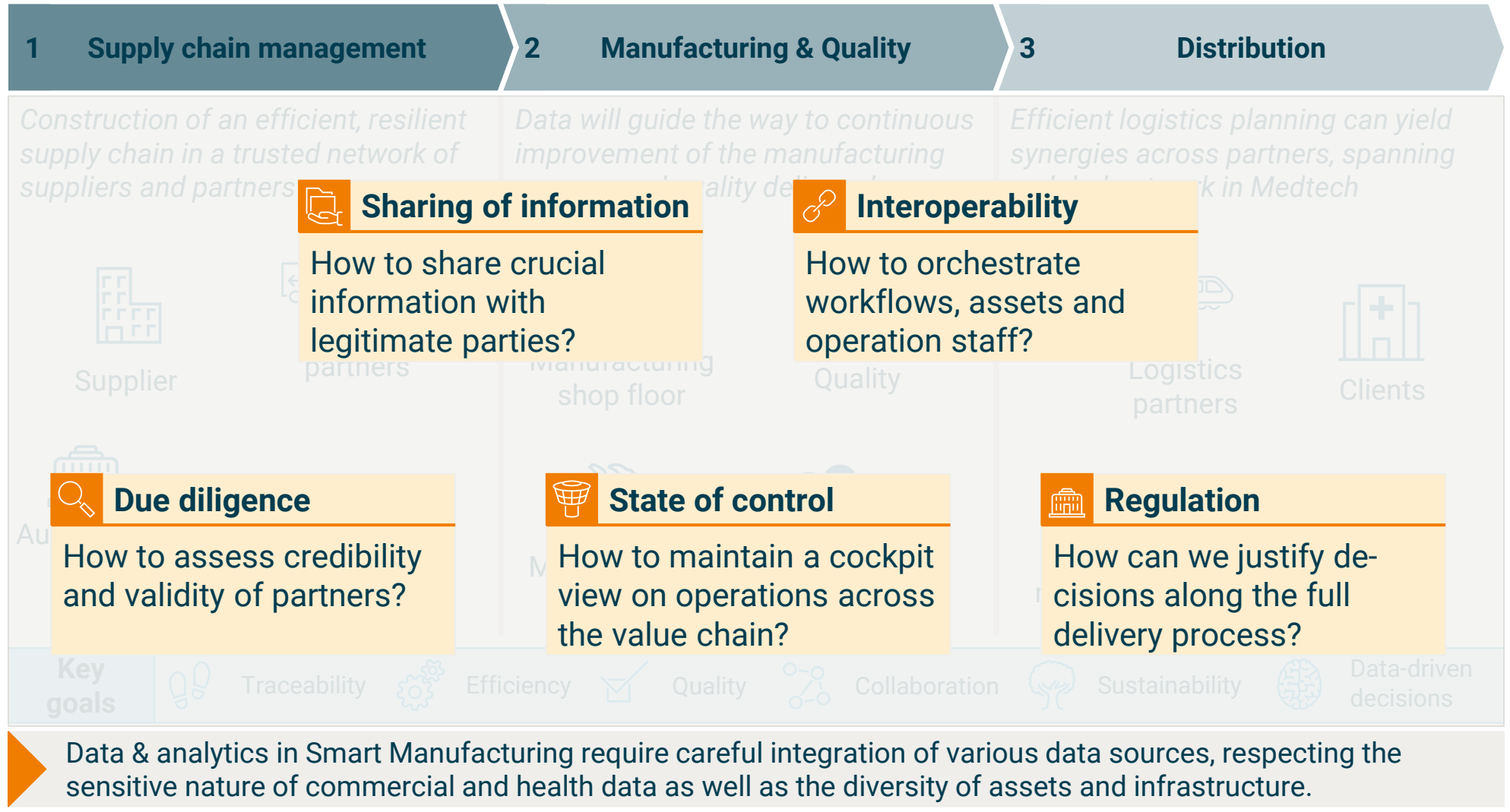


Key goals	 Traceability	 Efficiency	 Quality	 Collaboration	 Sustainability	 Data-driven decisions
------------------	--	--	---	---	--	---

Medical devices are a key segment in healthcare – driving innovation and quality of life. The AMTZ ecosystem allows to apply Smart Manufacturing end-to-end: In an environment dedicated to quality and efficiency.

Challenges in smart manufacturing

Conquering a complex network under strict compliance standards



Our proposal: Distributed Governance + smart data & analytics

Linking corporates, agencies and assets to enable Smart Manufacturing

A safe interoperability backbone enables ...

Verifiable credentials are issued to the respective actors' digital wallets.
Authenticity can now be confirmed without need to contact issuer.

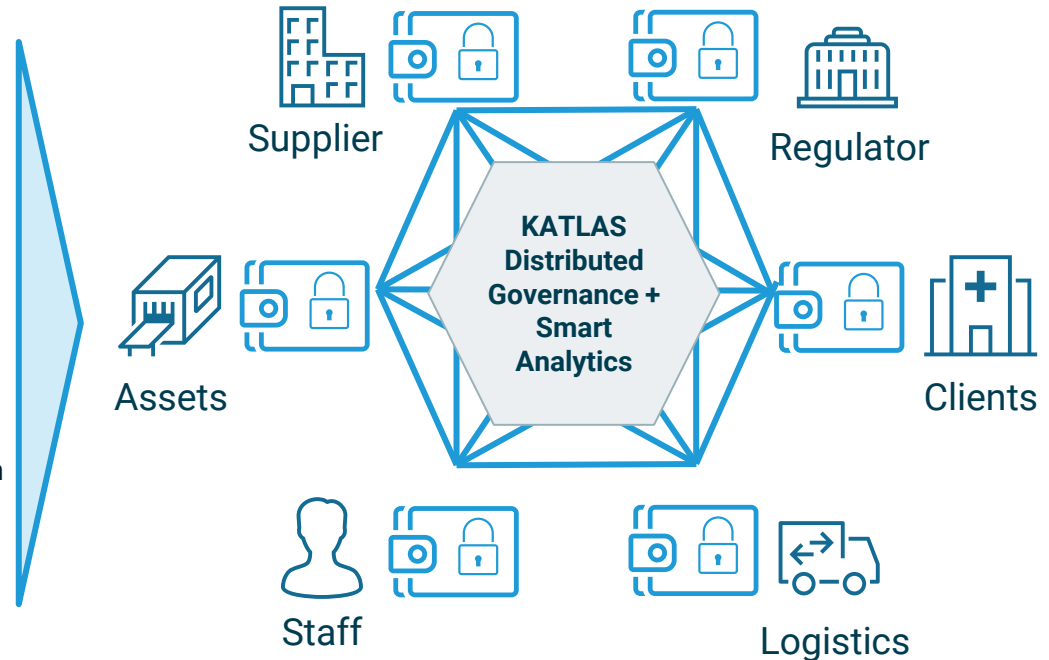
Data Protection
private data is stored off-chain ensuring control and consent (HIPAA, GDPR, DPDP)


Scalability
Suppliers can easily setup unlimited wallets across the network


Role to Role
Protocols ensure identity and automate services safely

Agile integration
Building an ecosystem component by component

... healthcare to leverage data & analytics.



 *International Trade Council – Category IT: Enterprise Blockchain in recognition for their system for managing 'The Cardiovascular Health Patient Journey'.*

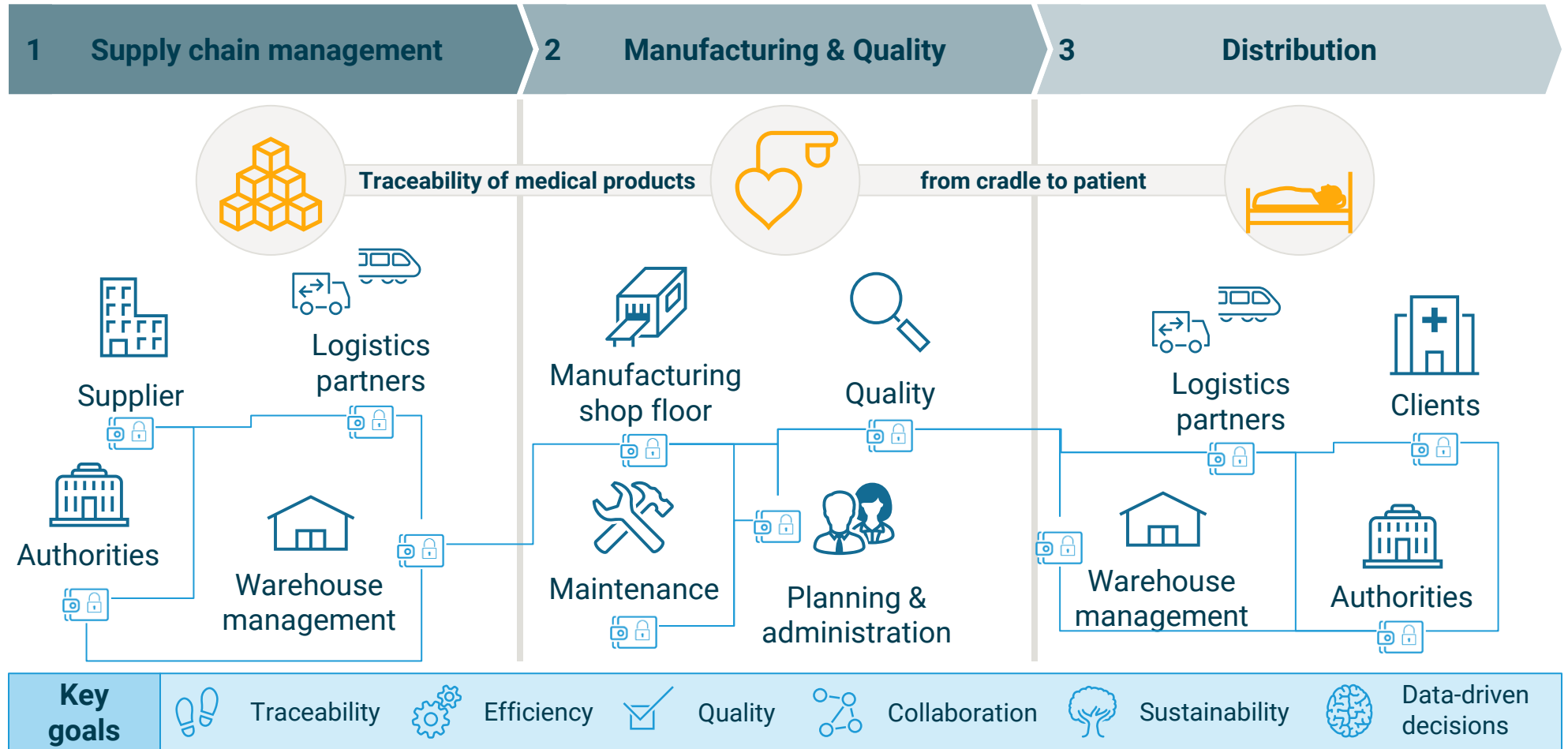
 **Smart analytics**



Fusing KATLAS and d-fine's data & analytics capabilities with your stakeholders' objectives, Smart Manufacturing can become a reality – to improve patients' quality of lives and your commercial outcomes.

Distributed governance applied to the Smart Manufacturing context

Advancing a network of actors to an efficient ecosystem



As the ecosystem grows, relationships will be mirrored digitally by role-to-role protocols, based on privacy and consent, built on a scalable infrastructure: **Welcome to the joint approach of KATLAS and d-fine.**

KATLAS & d-fine: joining forces in enabling distributed governance



Two strong partners joining forces to realize your vision, leveraging distributed governance technology and smart use of data



KATLAS
Distributed Governance

- Proven technology backbone
- Universal system design
- Technology specialists
- Network in tech and academia
- Thrive for quality
- Future-proof, scalable technology
- Specialized experience in privacy-enhancing technologies

Holistic capabilities
for our clients

Established partnership –
effective delivery



Common scientific
mindset

Joint design
thinking approach

d-fine

- Data science and analytics expertise
- Integrating solutions
- Business analysis skills
- Cross-industry expert network
- Software engineering capabilities
- Long-term partner
- Vast experience in digital solution design

Speaking the languages of business, subject matter and technology, we provide all success factors to realize your product vision, creating a sustainable solution in a long-term partnership.

KATLAS Technology is a platform provider, dedicated to unlock Web 3.0 applications across industries.

KATLAS platform consists of 5 layers



Use case: Sector-agnostic platform allows platform deployment for healthcare, financial services, trading, agriculture, etc.



Solution integration: Technology can be integrated with existing apps via standard interfaces, delivered on-premises or as SaaS



Risk and Compliance: Strong risk and compliance framework, enabling third-party certifications



Proprietary software: Cybersecurity features enable sharing of verifiable credentials across a decentralized infrastructure



Hardware compatibility: Light-weight solution can be implemented on variety of systems such as wearable devices and experimental SoCs

The people behind KATLAS



Edward Cole (KATLAS CEO)

Team leadership, space insurance, innovation, markets risk management and reporting, automated trading & settlement platforms



Marcos Mayorga (CTO & Lead Developer)

Computer cryptographic security, consensus and governance, Airbus simulation, engineering on hardware and network resilience

The KATLAS platform has proven its capabilities in various use cases – acknowledged by international awards on the cutting-edge of technology.

d-fine is a European consultancy focusing on analytical, quantitative and technological endeavours

Our DNA

analytical.

We address your challenges in a structured manner and investigate key drivers using our extensive domain expertise.

quantitative.

We leverage methods from Mathematics, Physics and Data Science to solve complex issues.

tech.

We apply new and established technologies to support your business processes and ensure a dynamic and sustainable implementation into your IT ecosystem.

Our Team



- 50% Physics
- 35% Mathematics
- 15% Other STEM subjects & Business
- 50% PhD / doctorate

10+
Office locations

30+
Nationalities

100 %
climate neutral

Our industry expertise



Banking &
Capital Markets



Insurance & Asset
Management



Energy &
Industrials



Healthcare



Consumer &
Services



Technology



Public
Sector

Together with our clients, we drive strategies, develop business designs and implement tailored IT solutions. A collaborative and trustworthy relationship is important to us.

Your contacts



Martin Heitmann
Senior Manager
Mobil +49 162 2631307
Martin.Heitmann@d-fine.de

d-fine GmbH
An der Hauptwache 7
D-60313 Frankfurt/Main
Germany

Frankfurt

Berlin

Dusseldorf

Hamburg

London

Milan

Munich

Stockholm

Utrecht

Vienna

Zurich

d-fine

analytical. quantitative. tech.