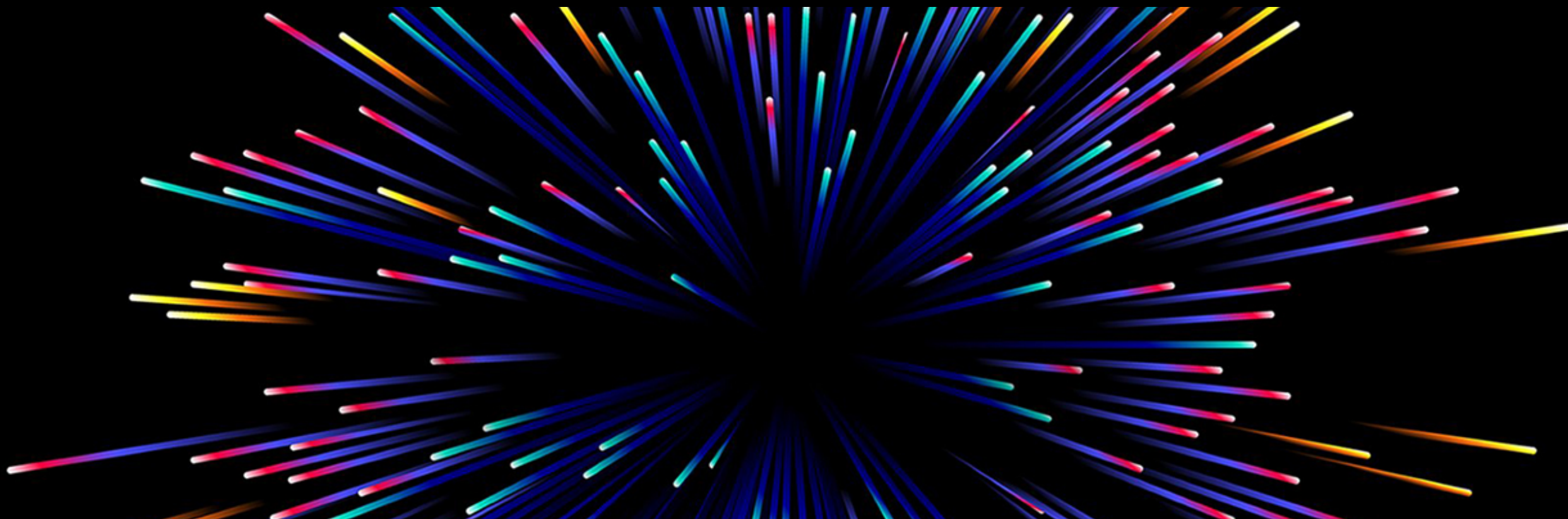


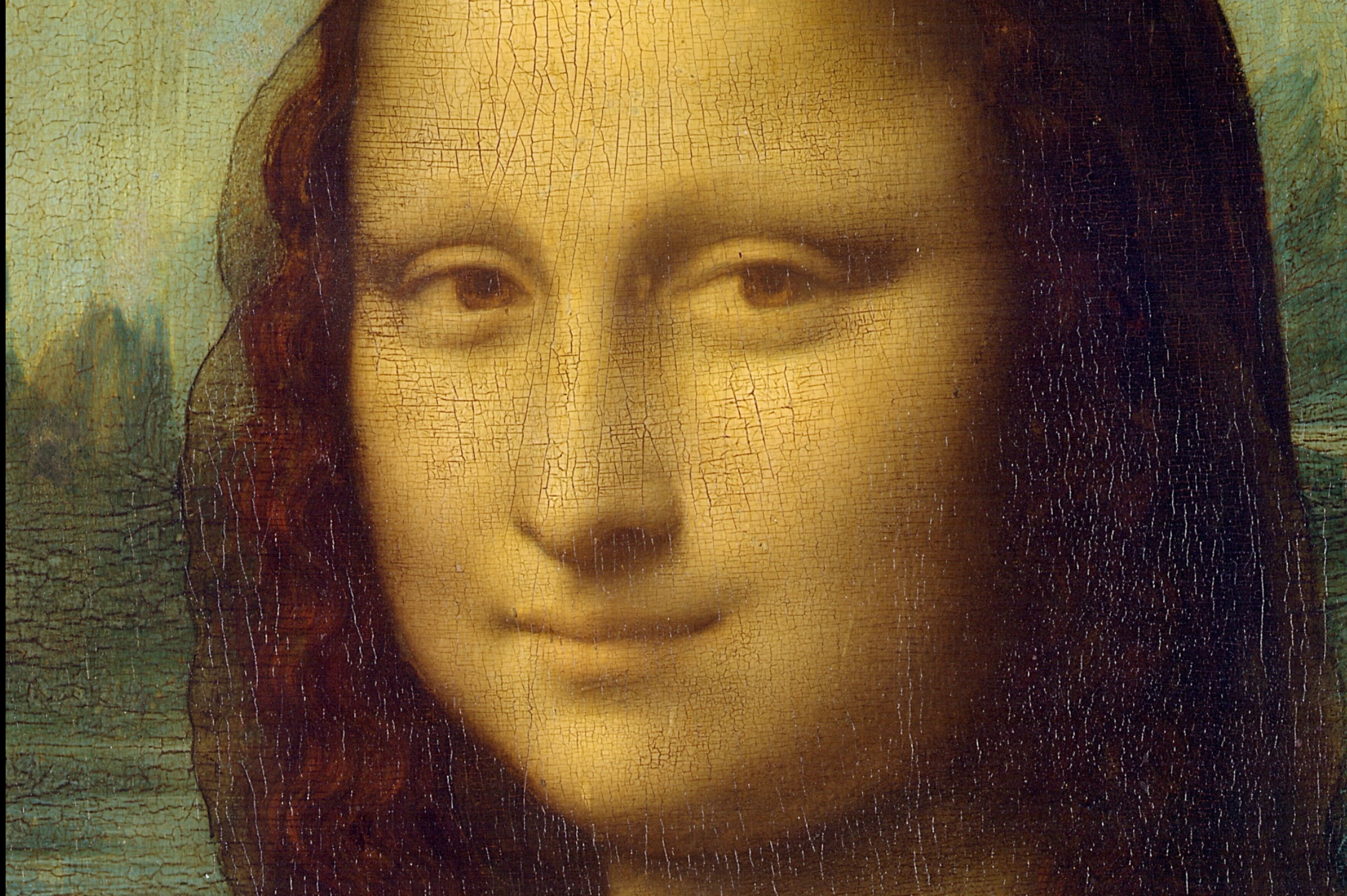
FAST FORWARD

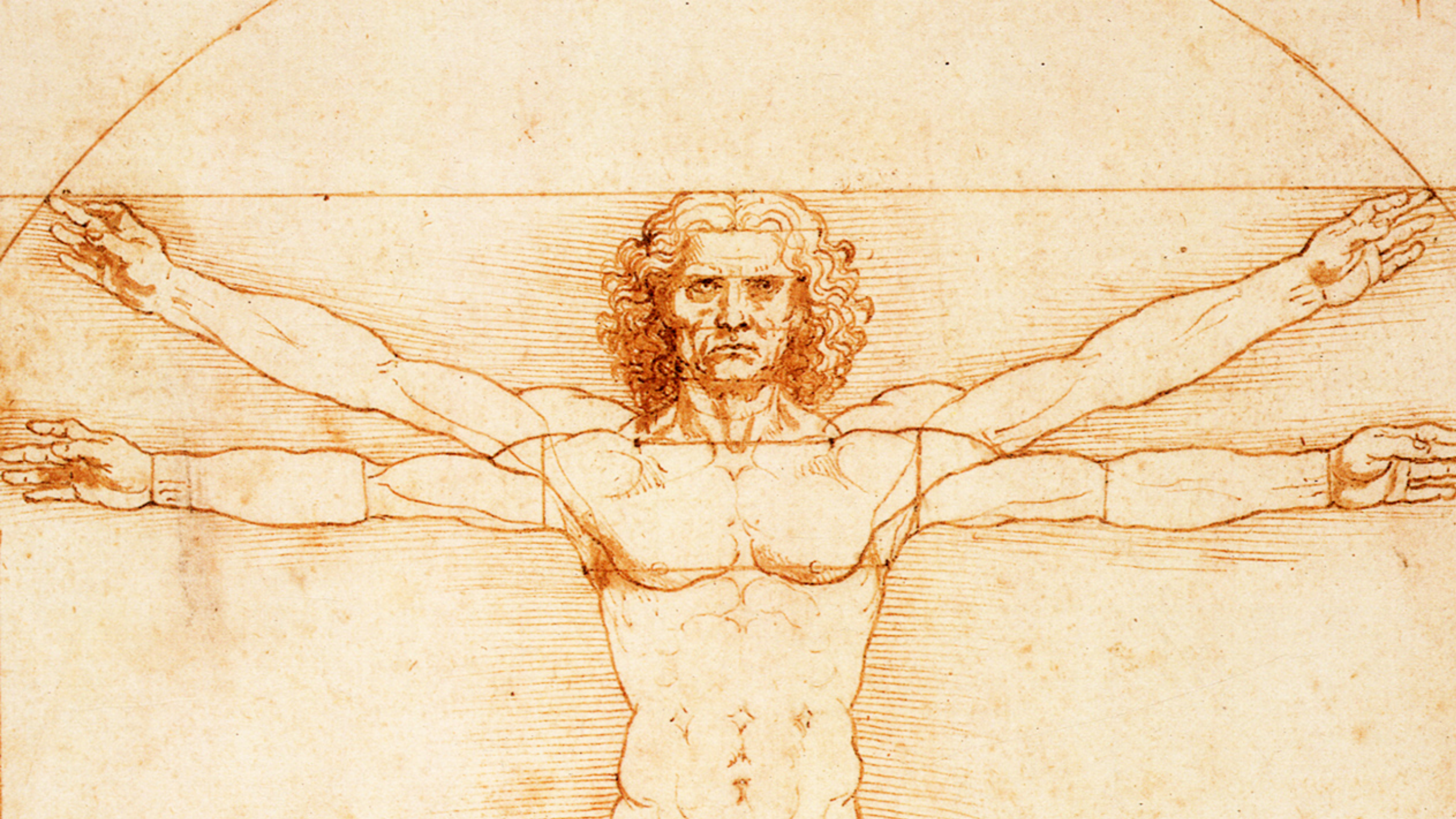
THE FUTURE OF BUSINESS

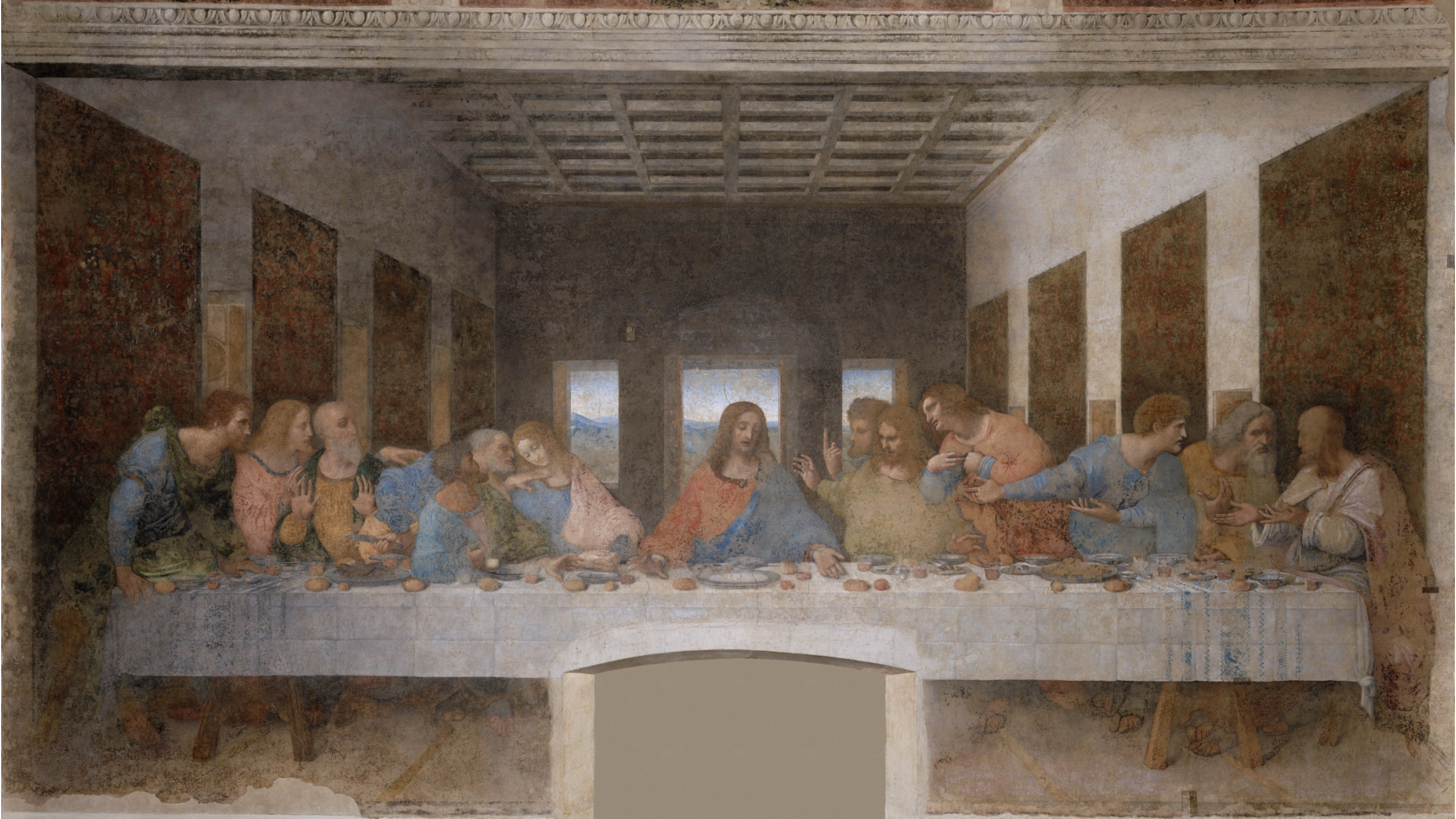






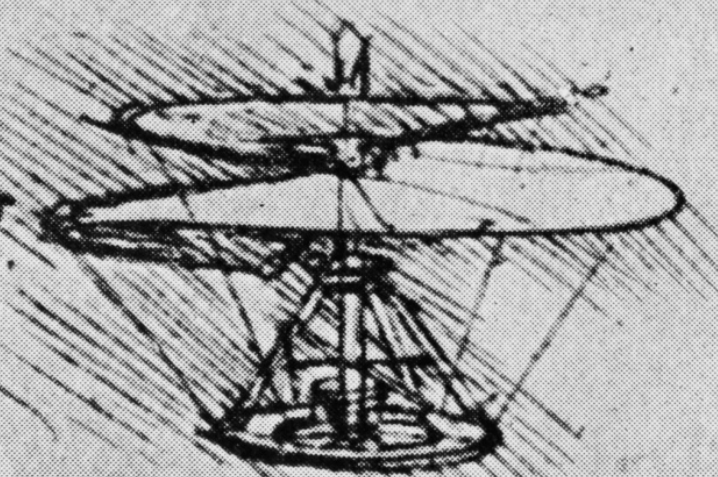






Handwritten text at the top of the page, likely a title or introductory paragraph, written in a cursive script.

Handwritten text on the left side of the page, positioned to the left of the central diagram.



Handwritten text at the bottom of the page, likely a detailed description or explanation of the device shown in the diagram.

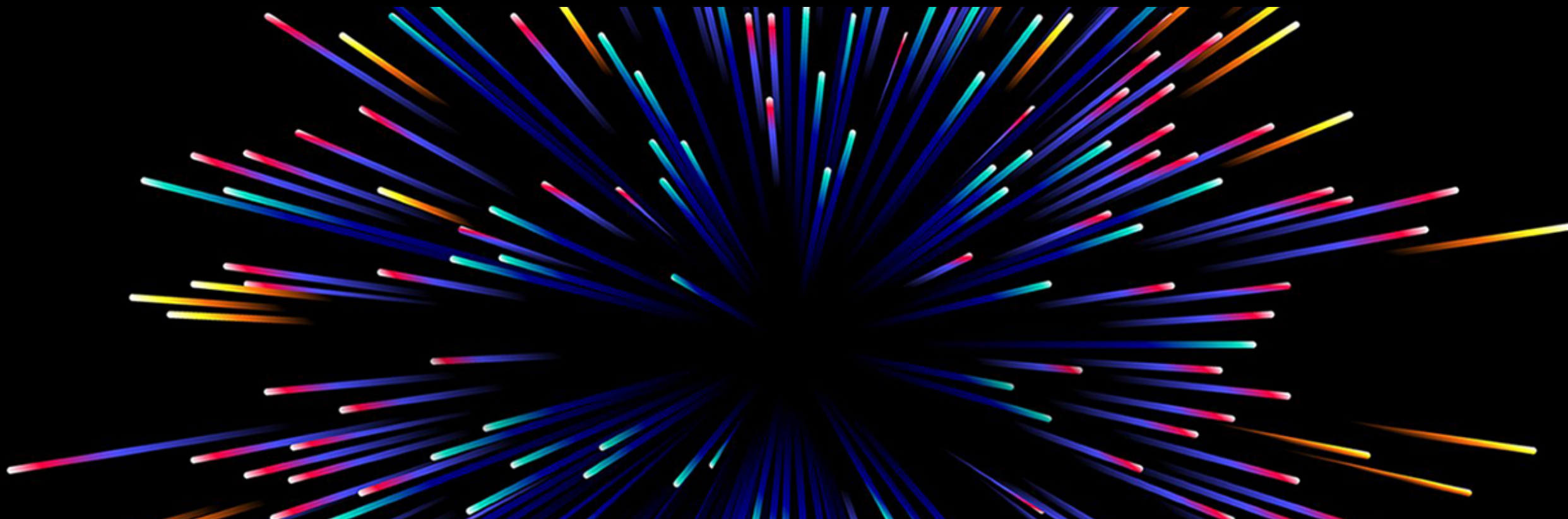




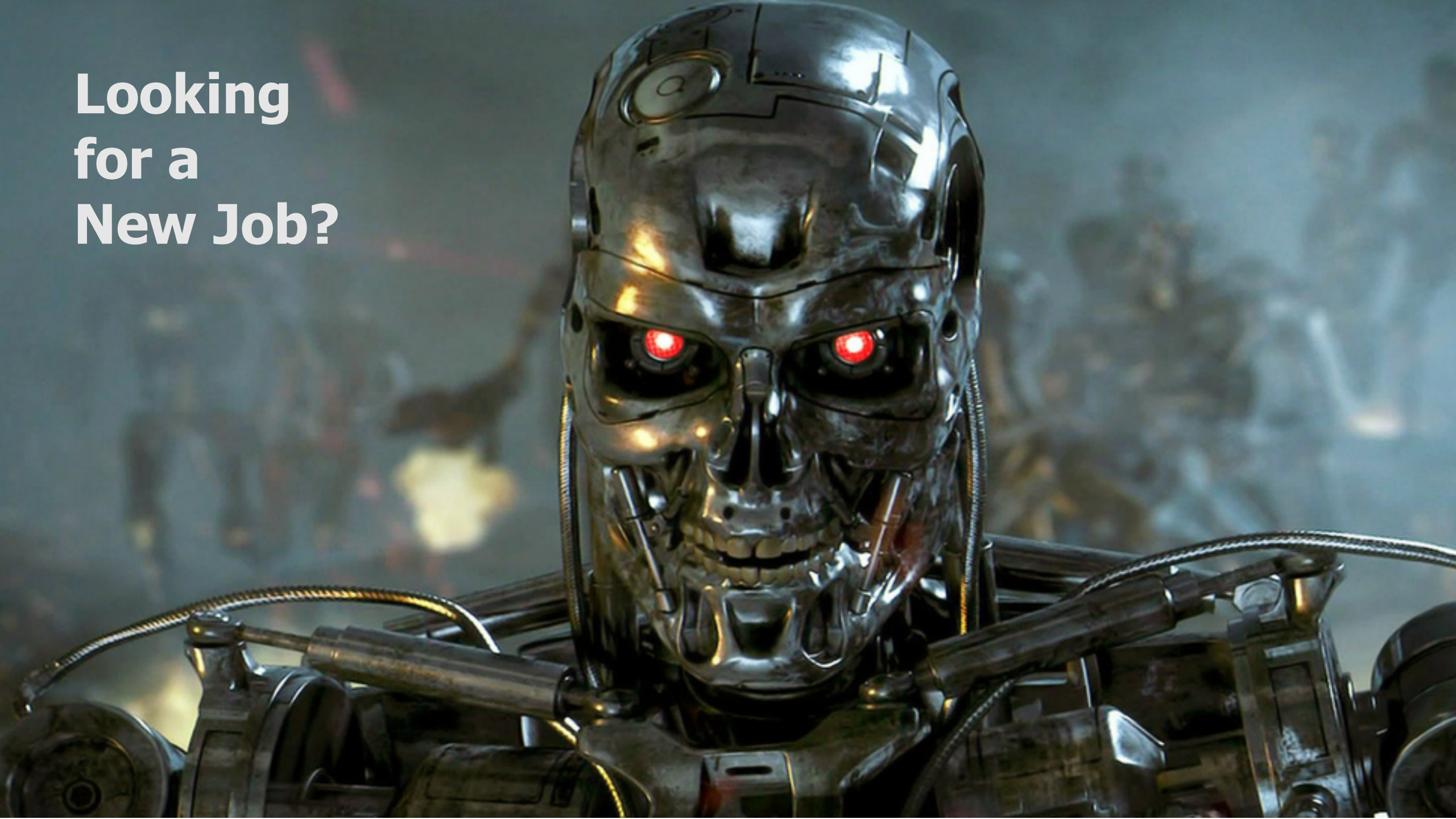
Design Thinking Services

**SAP Leonardo
Technologies**

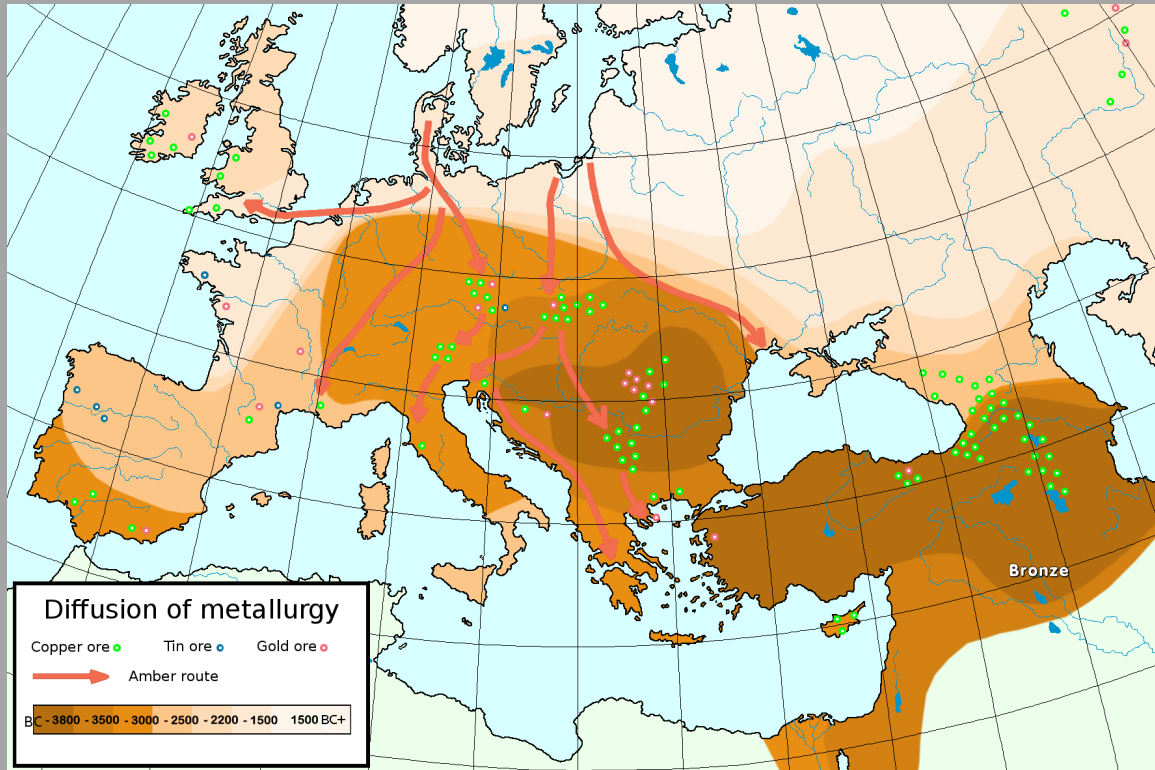




**Looking
for a
New Job?**



Past is Prologue



Hamelin de Guettelet



Augustin François Lemaître - Marie-Lan Nguyen (2013)



By Michel Wal

**Welcome
to the
Machine!**





Process
Makes
PERFECT

View of the Entrance to the Arsenal by Canaletto, 1732.

The Overwhelming Internet of Things

- IoT will cause a data explosion
- Sheer volume will crash old models
- Humans cannot manage this manually
- Machine Learning can tame the beast
- But people must manage the systems
- Untrained ML will lead to chaos
- Measure thrice, cut once



By Wilgenbroed on Flickr

The Silicon Age Enables Machine Learning

Linear Regression
Logistic Regression
Decision Tree
Support Vector Machine
Naïve Bayes
K-Nearest Neighbors
K-Means
Random Forest
Dimensionality Reduction
Gradient Boosting

<https://www.analyticsvidhya.com/blog/2015/08/common-machine-learning-algorithms/>





A Renaissance in Software Engineering

You can't build skyscrapers with bricks and mortar!

A revolution in material science was required

Architectural engineering entered a new era

The same holds true now for software development:

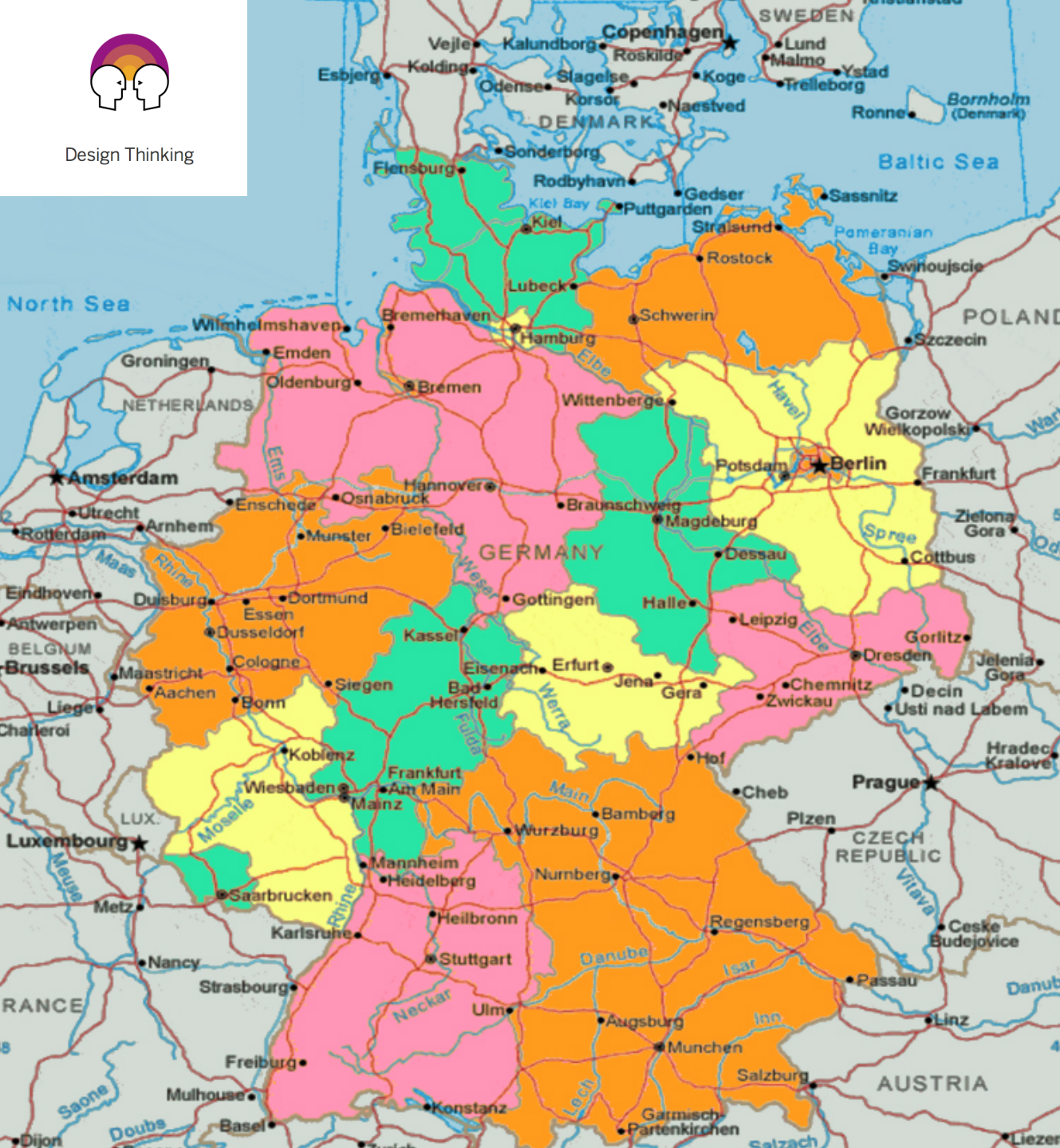
- New solutions must be designed to work at-scale
- Traditional database technologies cannot support
- Old habits of ETL will die hard, but must give way
- The demands of IoT and Analytics require more
- Cloud platforms will rule the day soon; already?
- Machine Learning will help support this infrastructure

**SAP Leonardo
Accelerates the
Journey to Your
Business Business
“DESTINATION”**





Design Thinking



**Design Thinking is the
“ROAD MAP”**

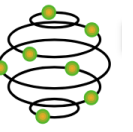


SAP Cloud Platform

**Cloud Platform is the
“OPEN ROAD”**



**Big Data is the
“FUEL”**

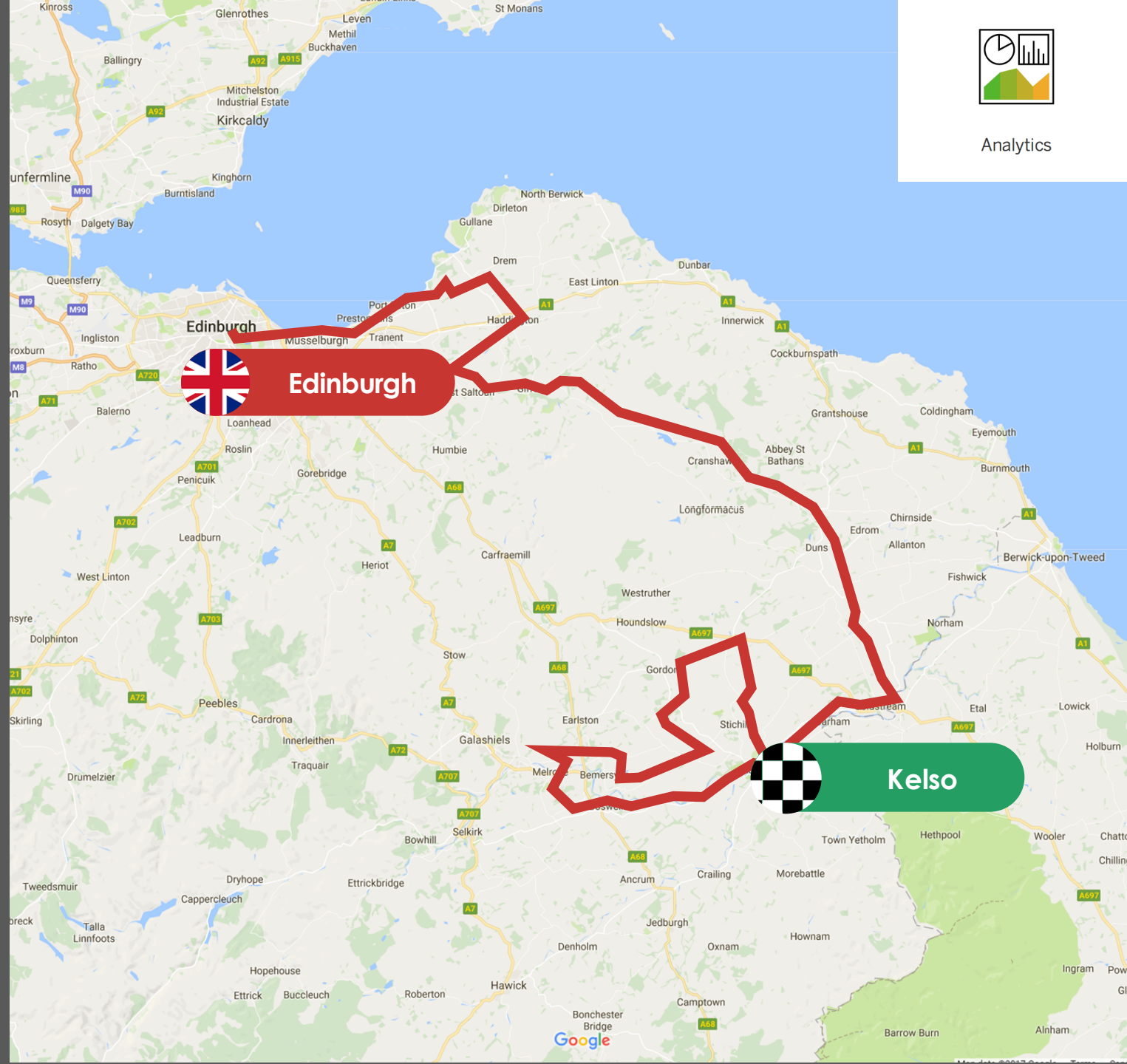


Big Data



Analytics

**Analytics is the
"ROUTE YOU NEED
TO TAKE"**





**Data Intelligence
is the
“STREET SIGNS”**



Data Intelligence

**IoT is the
“THINGS, EVENTS,
& PEOPLE THAT
CONNECT THE
JOURNEY”**



Internet of Things



Machine Learning

Machine Learning is the "SELF DRIVING CAR"

- /Autonomous
- /Sensing
- /Communication
- /Battery
- /Navigation
- /Mirrorless
- /Ecology

100m

48
mph

- /Autonomous
- /Sensing
- /Communication
- /Battery
- /Navigation
- /Mirrorless
- /Ecology



**Blockchain
is like your
“CAR TRUNK”**



Blockchain



SAP Leonardo Brings it All Together

Trenitalia: Digital Transformation through IoT Technology

Anticipating events and maintenance operations

Reducing errors and maintenance costs, improving processes

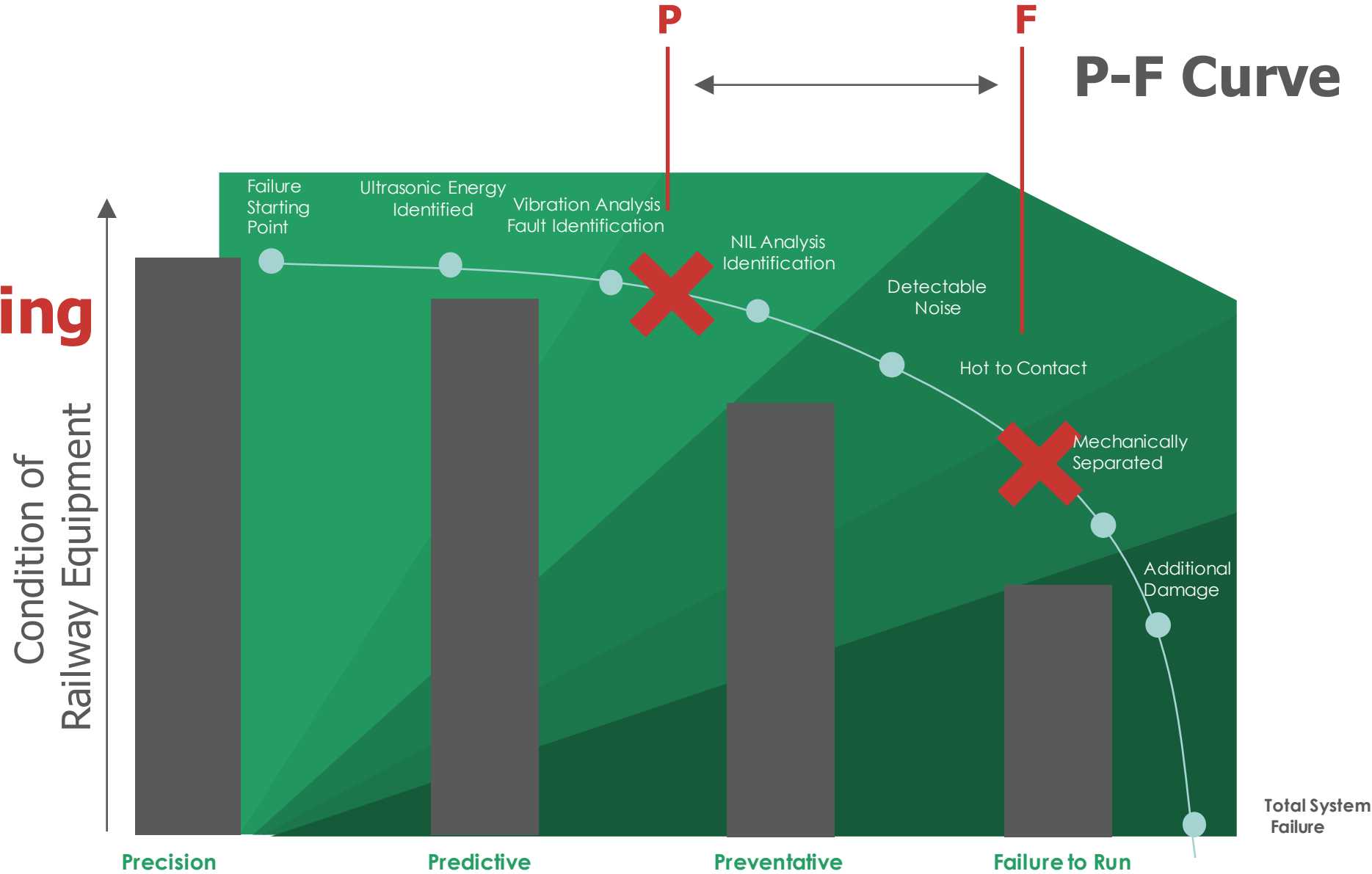
Improving customer travel experience



Maintenance cost:
Reduced

8-10%

Big Data, IoT, Machine Learning & Analytics Empowered Maintenance



Know Your Customer!

In many countries, it's the law!

Excellent for all customer service practices

Save time, money and resources for marketing

Machine Learning can deliver the ~360-degree view

Highly valuable in pharmaceutical industry

Great for 'Next Best Offer' solutions

Useful in customer-facing situations at point-of-sale

Helpful with call centers to keep customers happy



FAST FORWARD

THE FUTURE OF BUSINESS

Q&A

