



Data mining & human factor in the execution of community sanctions and measures

Pedro Ferreira Marum

AGMJ - French Community Houses of Justice - Belgium



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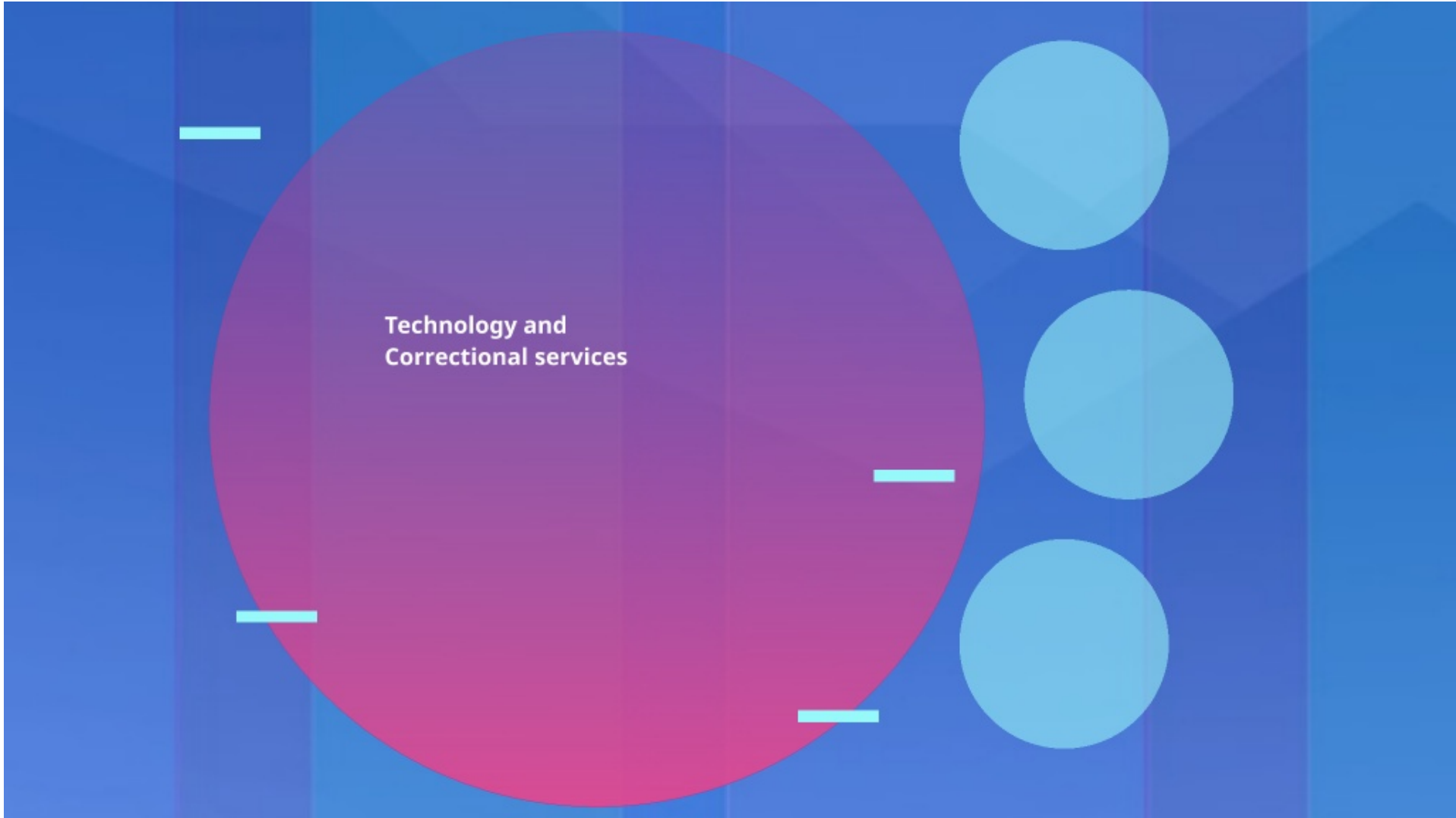
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Fly

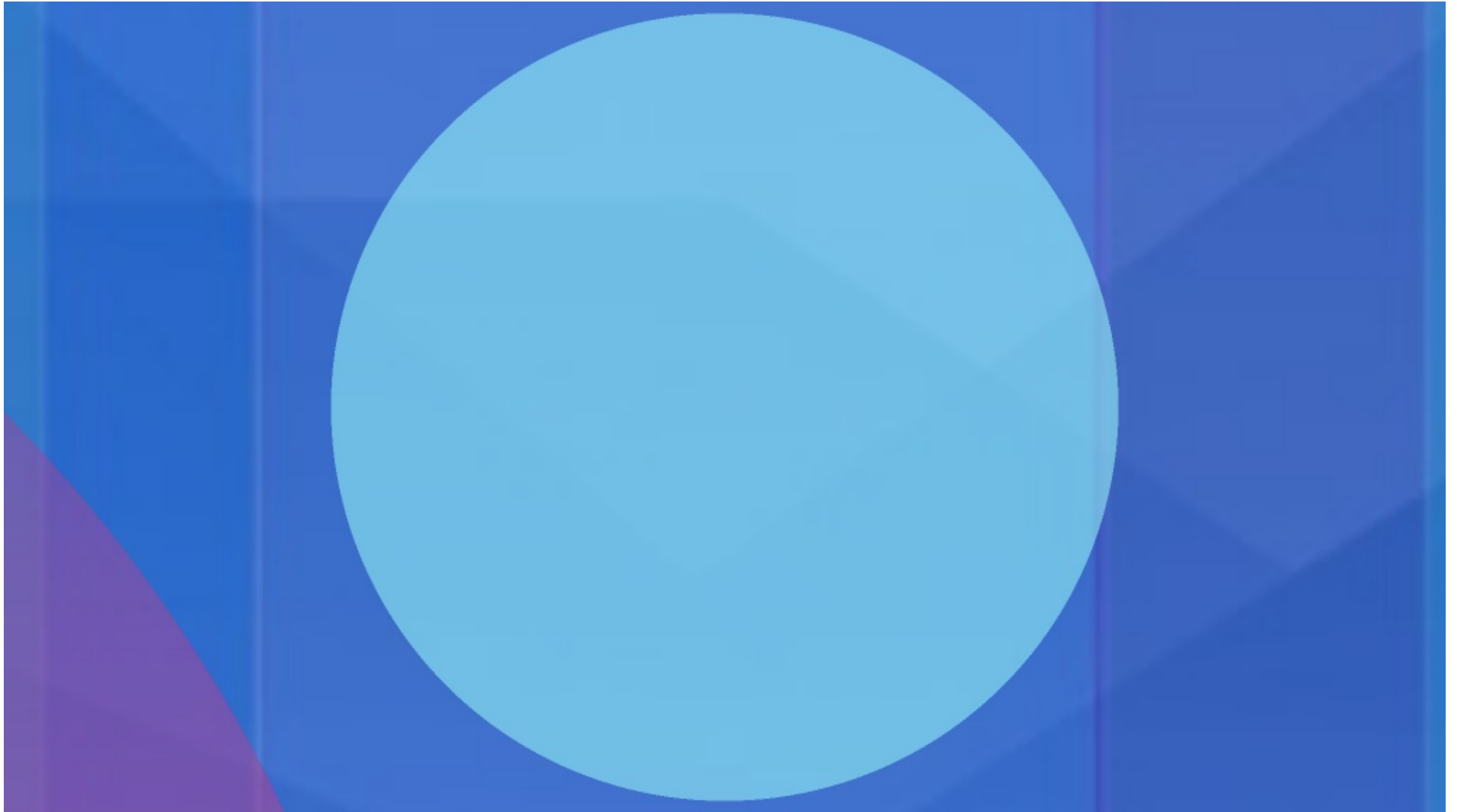
Drive

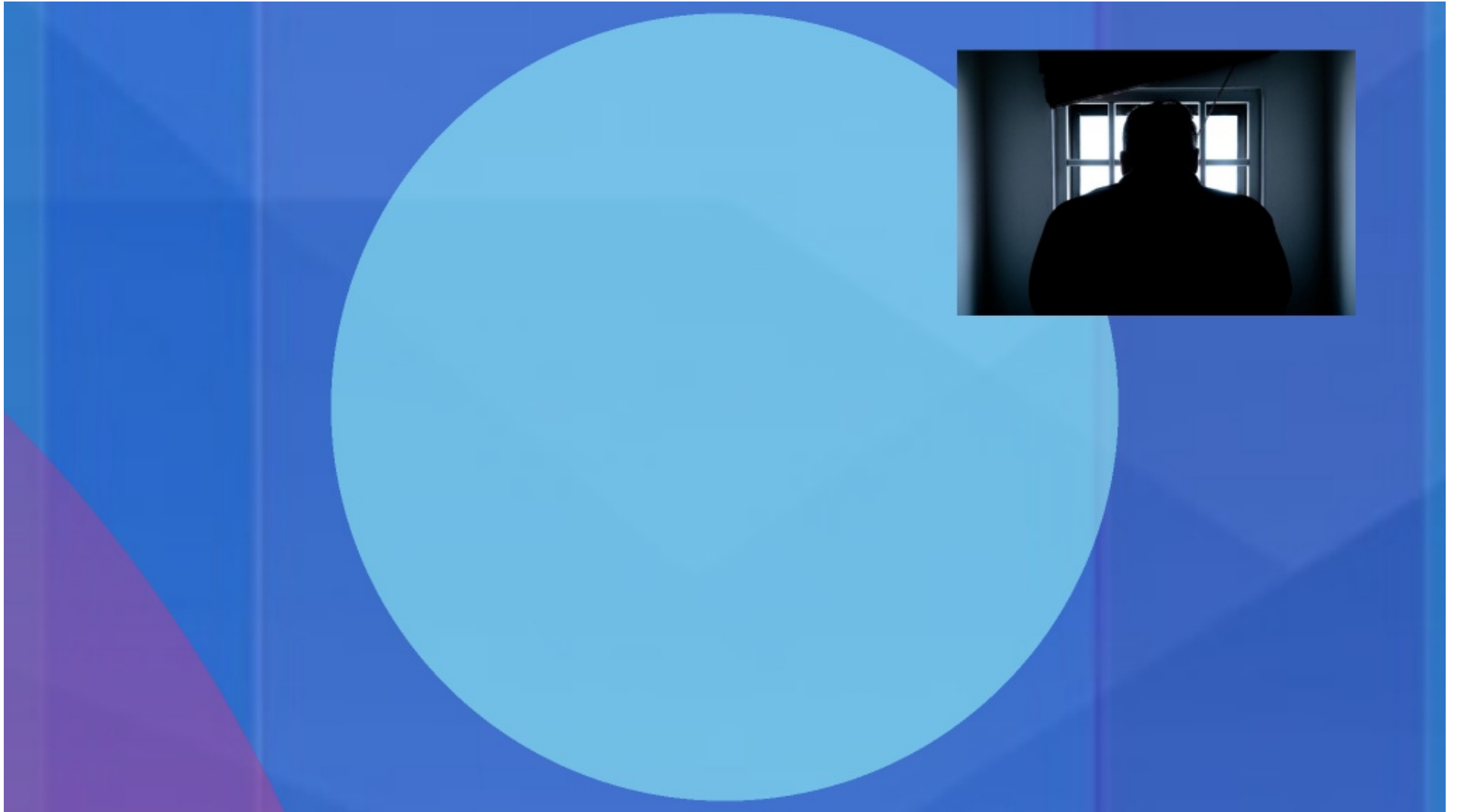
Dive

Sail





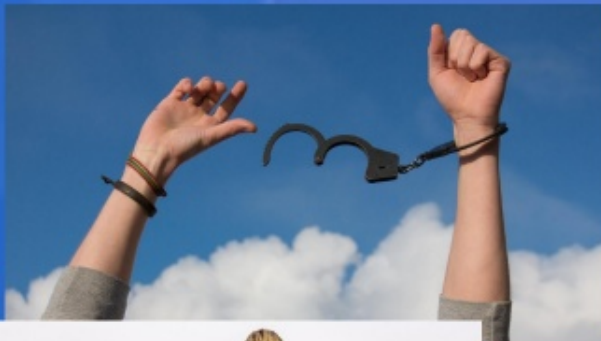


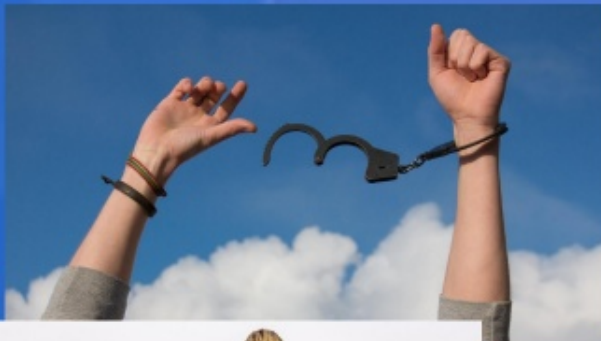




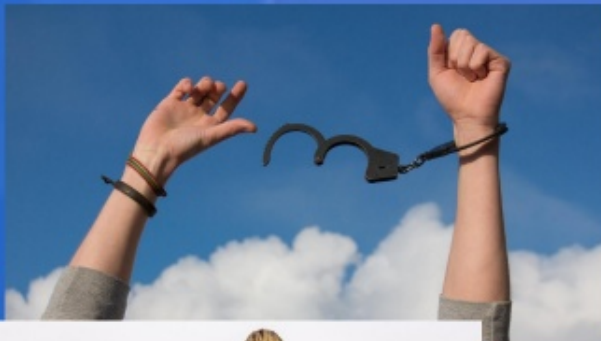




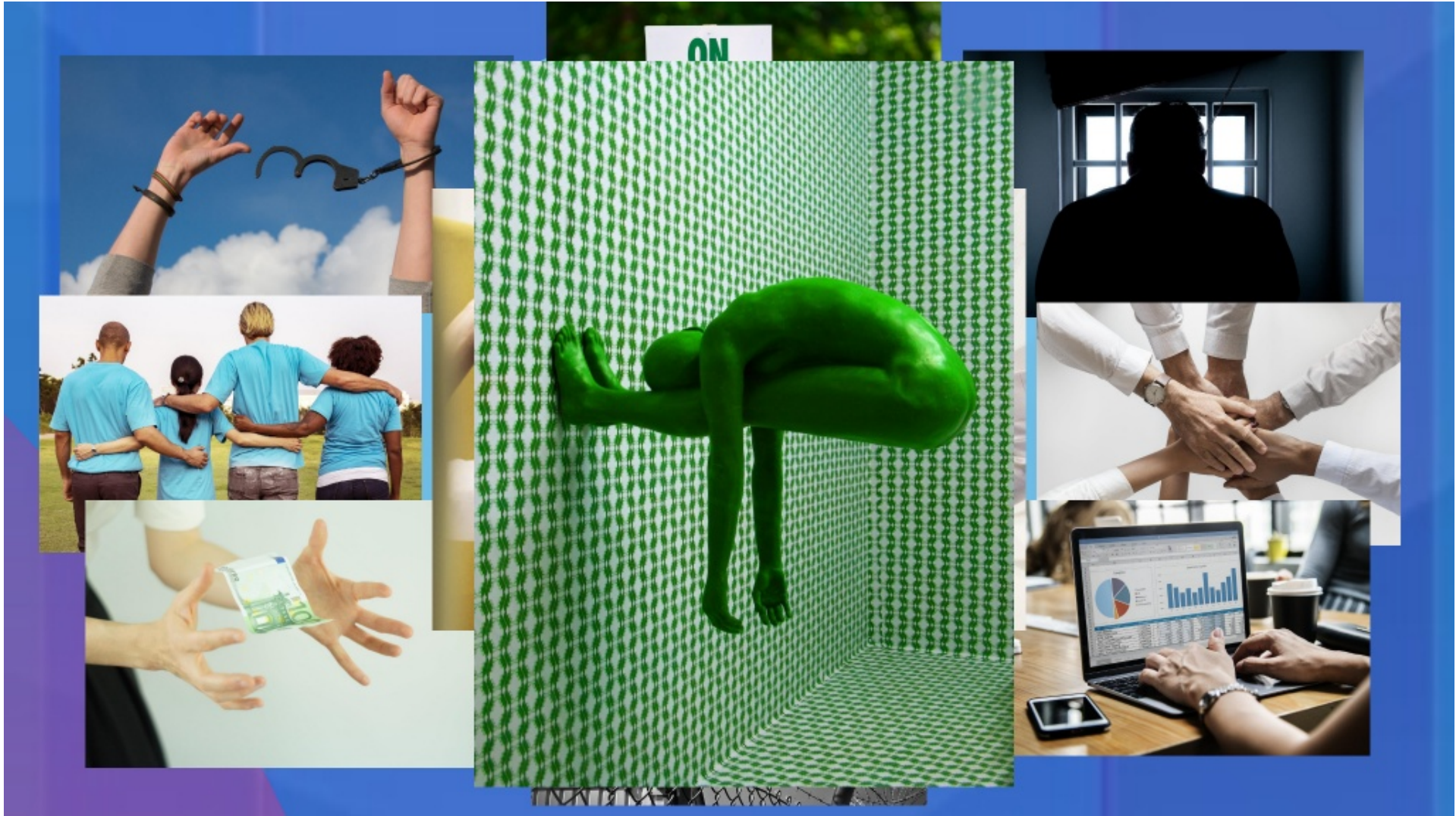






















Means

Vision



Means

Vision

Goals

Means



Vision

*Demonstrably and sensitively
contribute to a better and safer
society, where everyone has a place
to live, love, share and grow freely.*

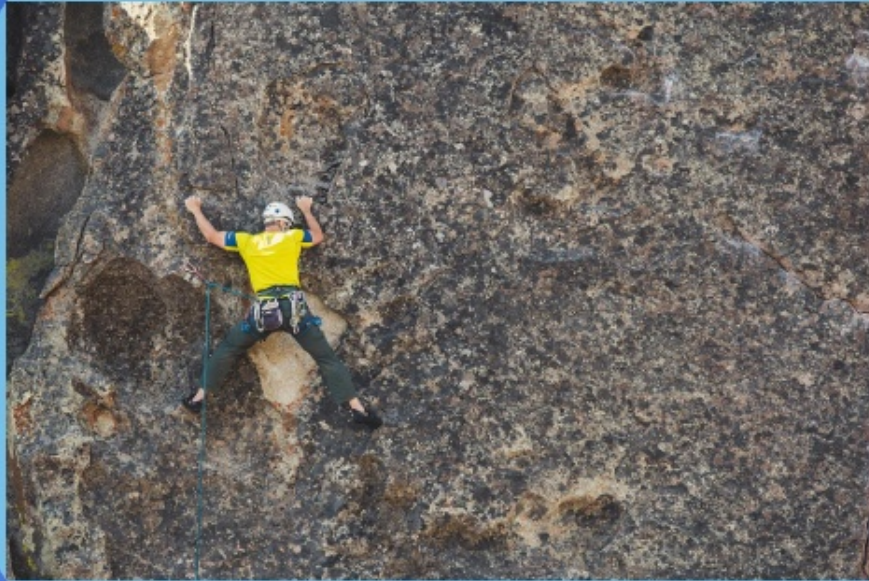
Vision

Demonstrably and sensitively contribute to a better and safer society, where everyone has a place to live, love, share and grow freely.

Mission

Secure society and work with offenders and victims agencies toward more desistance and resilience.







Measure our
failures and
success



Measure our
failures and
success

Adapt





Support



Typology of Supports

Typology of Supports

- Human

Typology of Supports

- Human
- Financial

Typology of Supports

- Human
- Financial
- Physical

Typology of Supports

- Human
- Financial
- Physical
- Organizational

Typology of Supports

- Human
- Financial
- Physical
- Organizational
- Technological
- Knowledge



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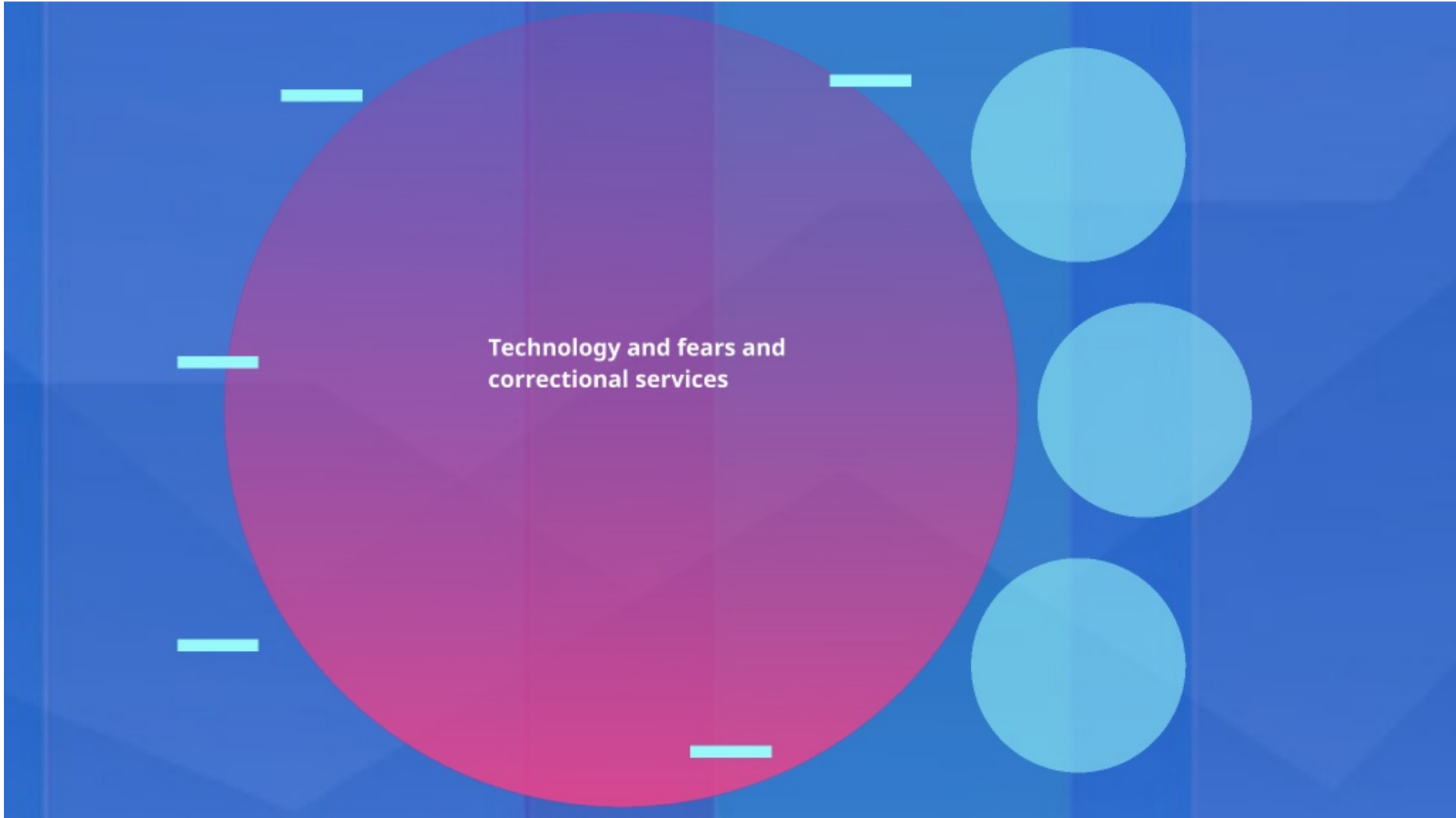
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Fly

Drive

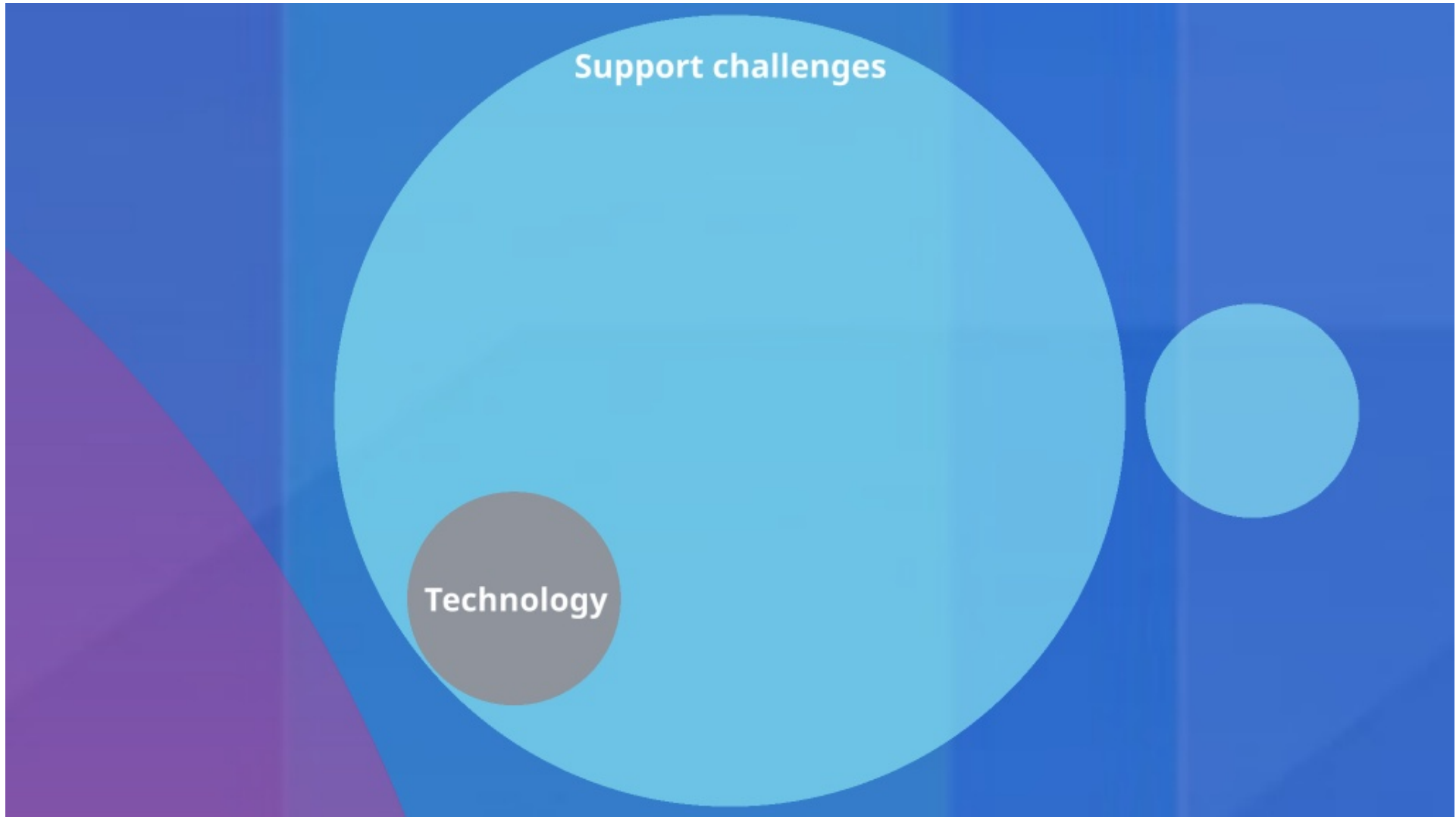
Dive

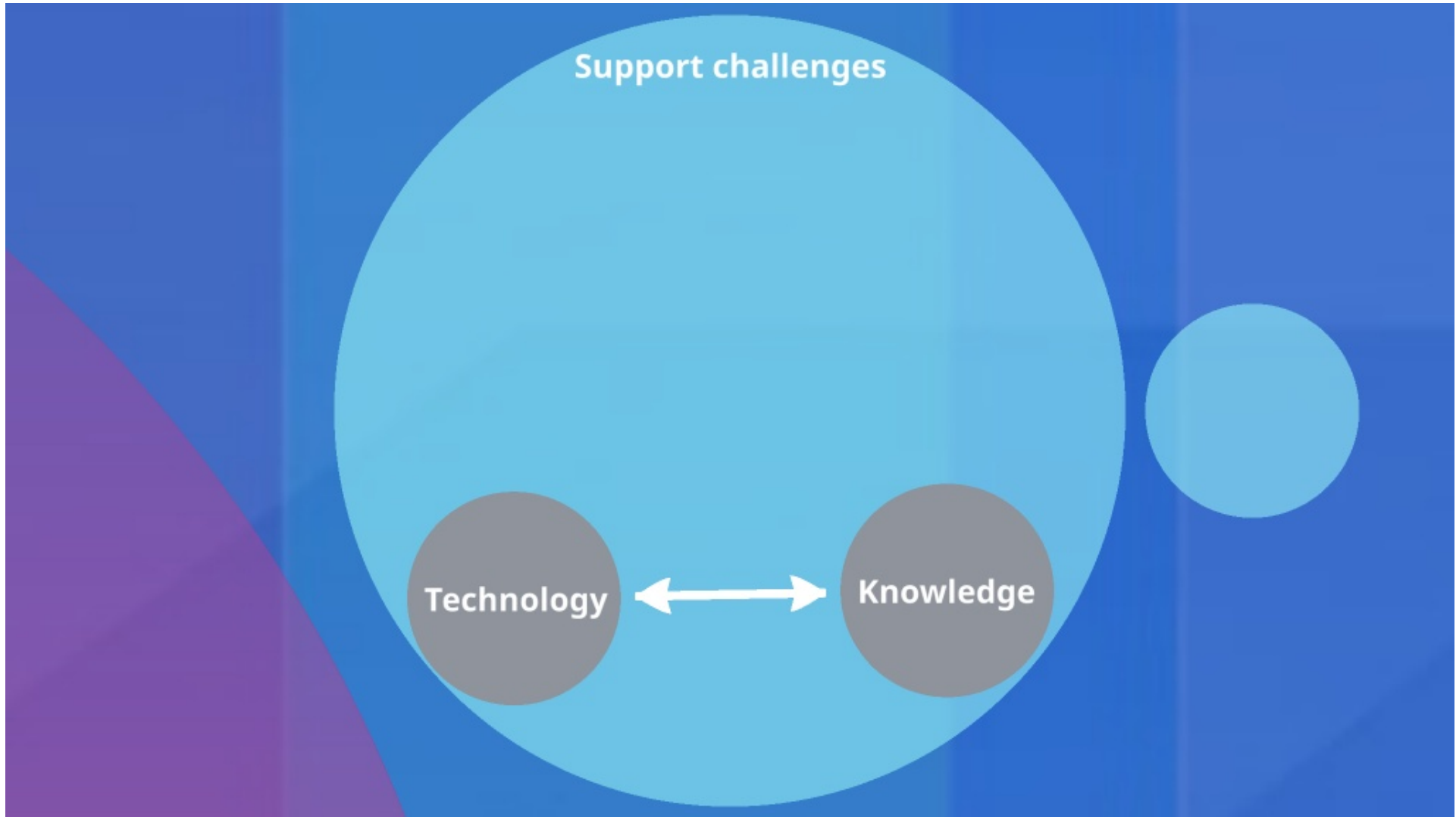
Sail

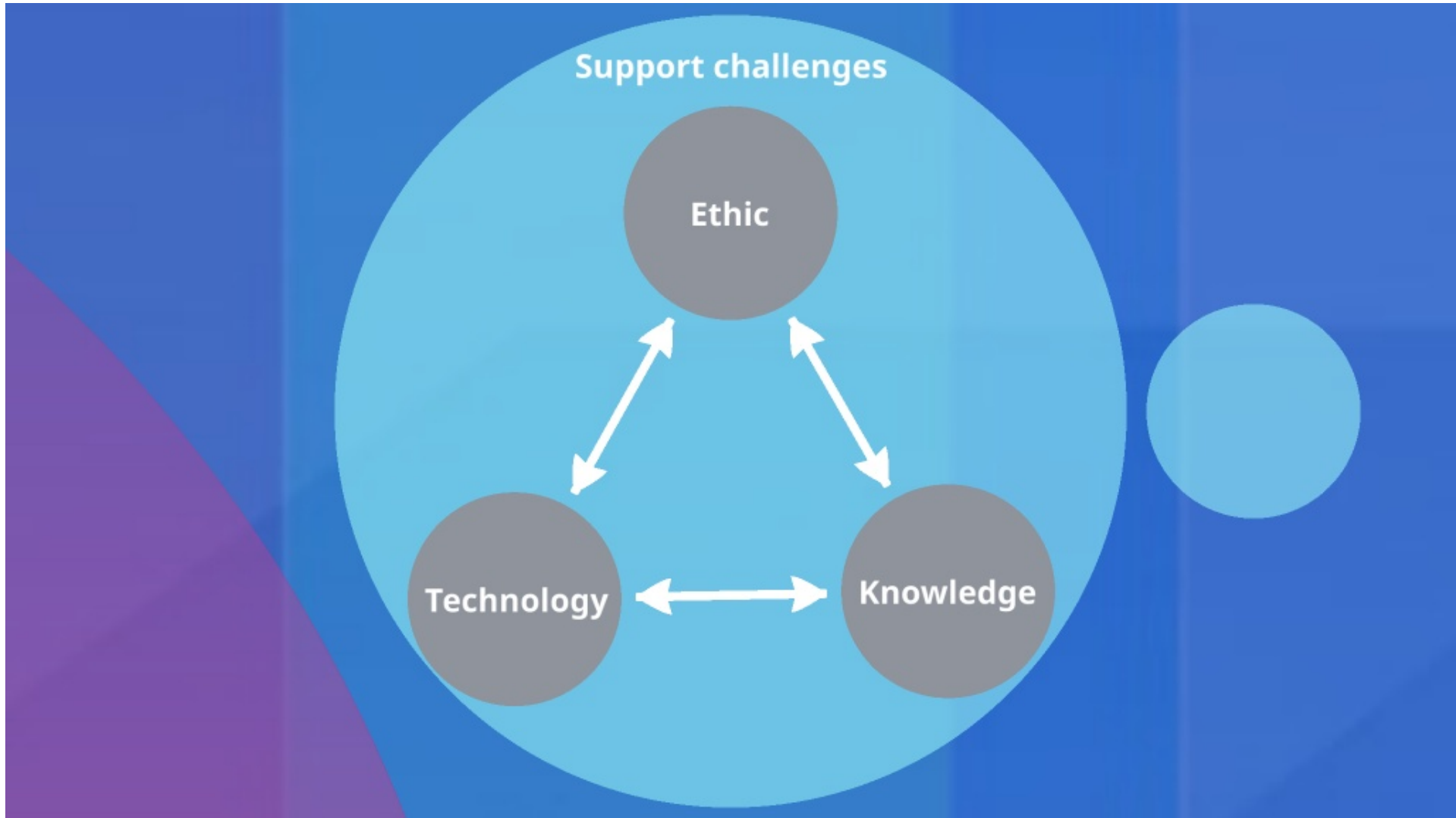


An abstract graphic design featuring a dark blue background. A large, light blue circle is positioned in the upper center, with the text "Support challenges" written in white above it. To the right of this large circle is a smaller, light blue circle. On the left side, there is a purple shape that appears to be a triangle or a sector of a circle, partially overlapping the dark blue background.

Support challenges





















Vienna

Brussels

CEP expert group on “Technology in Probation”

- Mr. Imants Jurevičius, Chairman
- Meeting in Vienna the 6 & 7 june



Electronic Monitoring Task_force Viability meeting

- ICPA (& CEP)
- 18 June, Brussels
- International
- 20
 - Private Companies
 - Public services
 - Academic

Electronic Monitoring without tags?

1_



2_



3_



1_BENEFIT

- Discretely
- Remotely
- Always (anytime)

1_BENEFIT

- Discretely
- Remotely
- Always (anytime)

- Identify a person



2_BENEFIT

- Discretely
- Remotely
- Always (anytime)

2_BENEFIT

- Discretely
 - Remotely
 - Always (anytime)
-
- **Locate the identified person**
 - anywhere
 - somewhere



3 Adding tech

The mission test



- Identify
- Locate
- Remotely
- Discretely
- Always



3 Adding tech

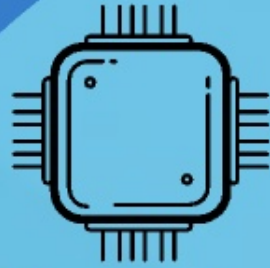
The mission test



3 Adding tech

The mission test





EM companies products "to have"

- Box - Tags - Smartphones - Watches
- Communication system
- Software
- Services

STANDARDS AND ETHICS IN ELECTRONIC MONITORING

Handbook for professionals responsible
for the establishment and the use of
Electronic Monitoring



Mike Nellis





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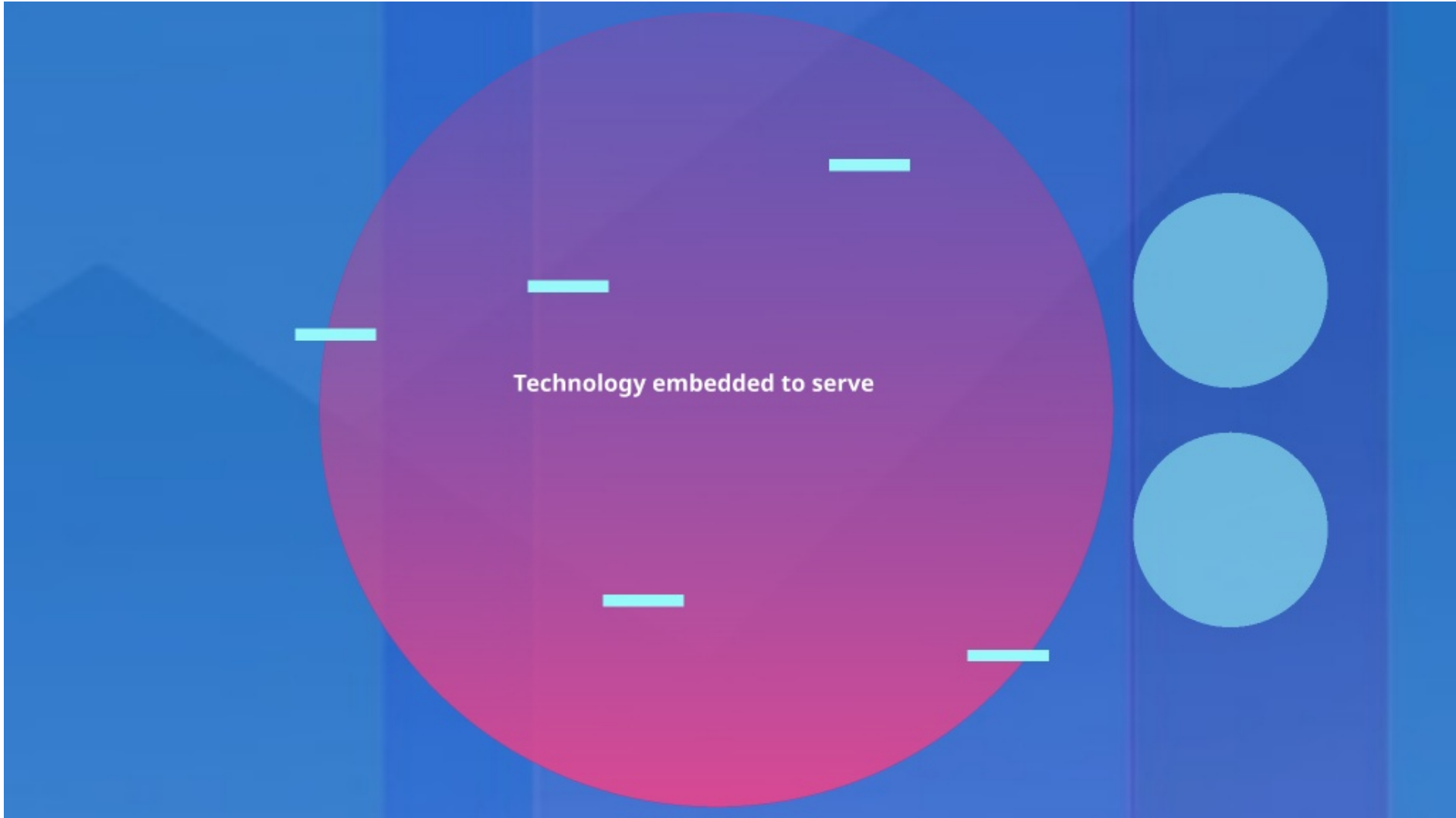
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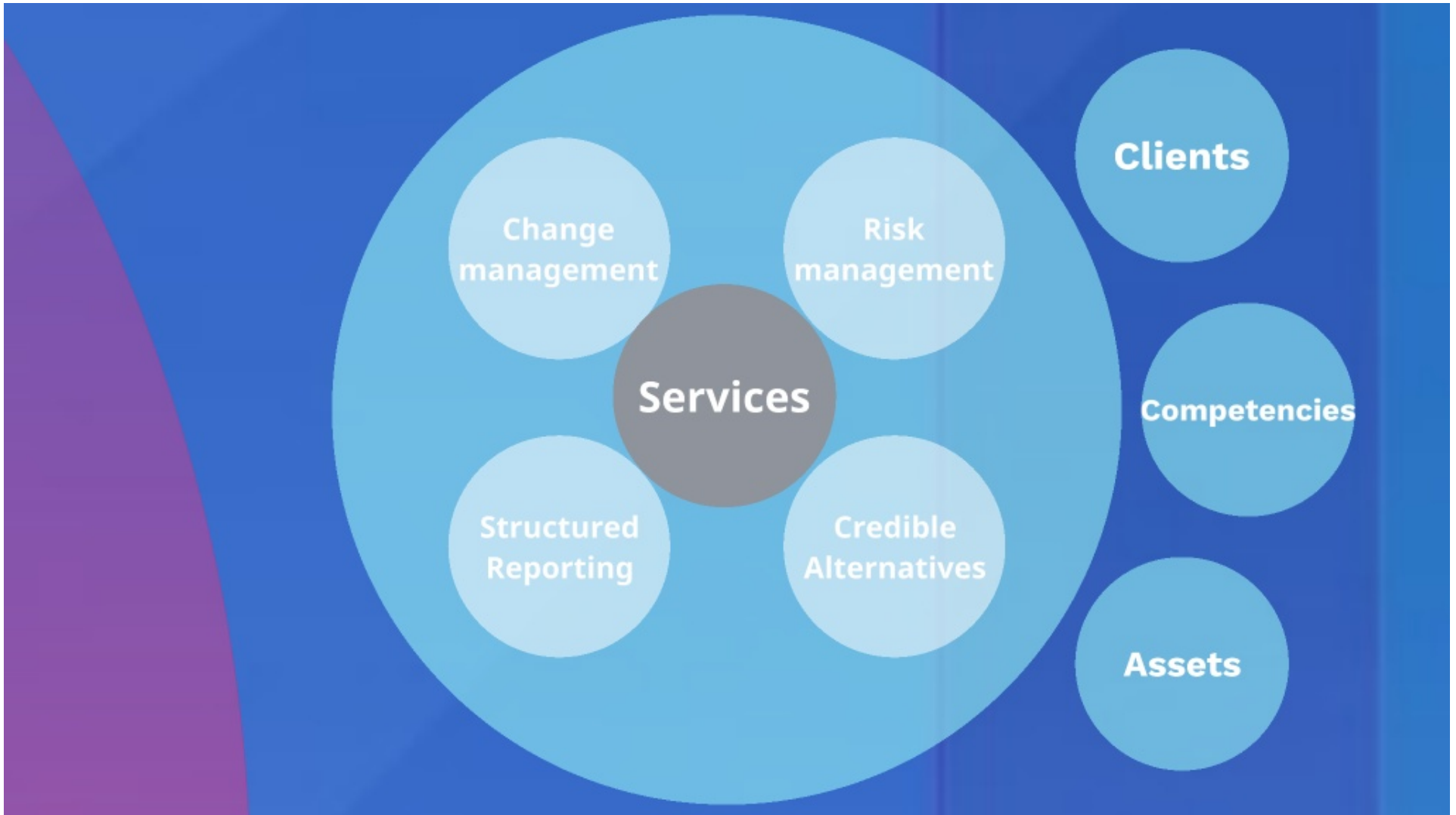
Fly

Drive

Dive

Sail





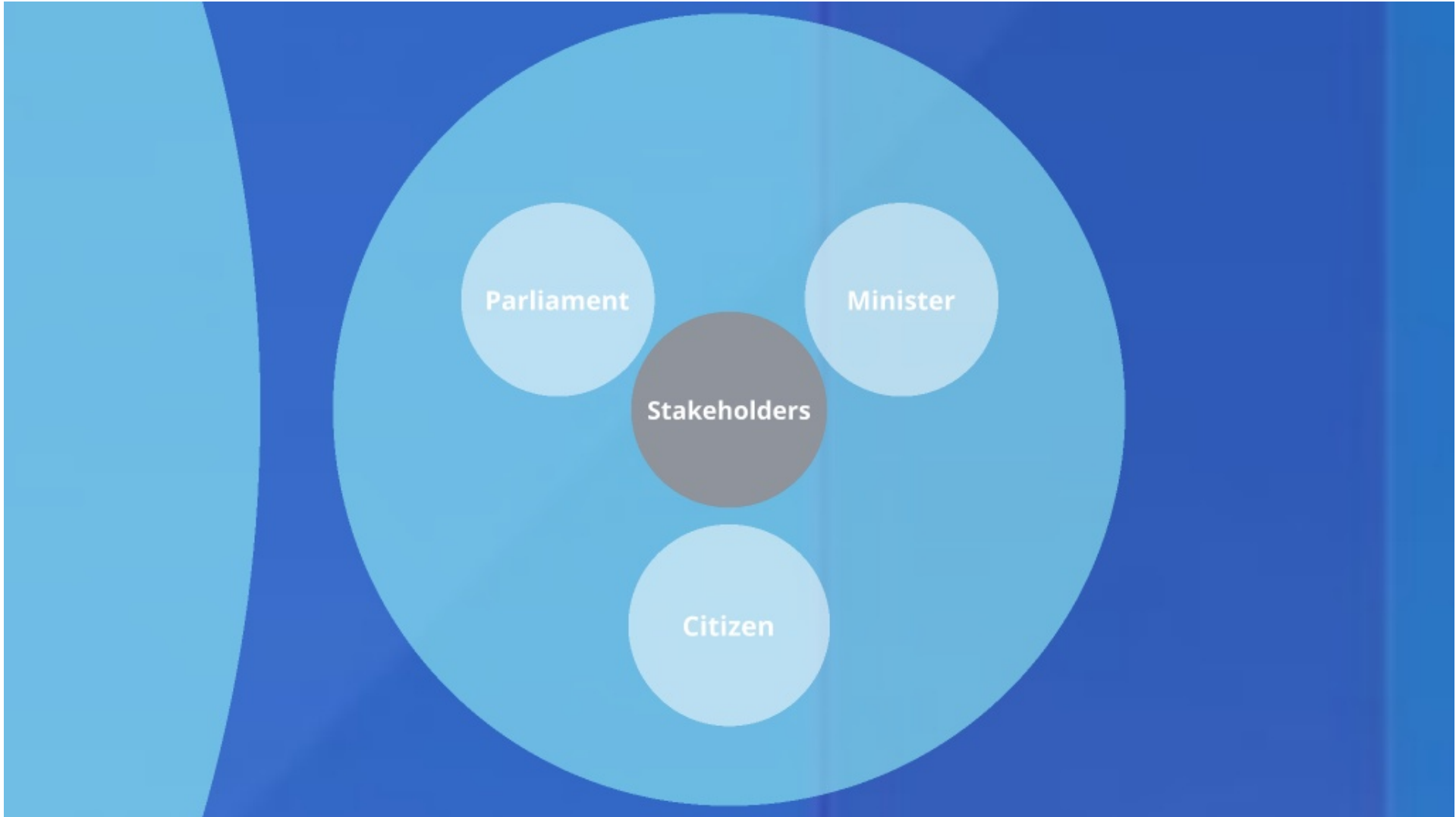






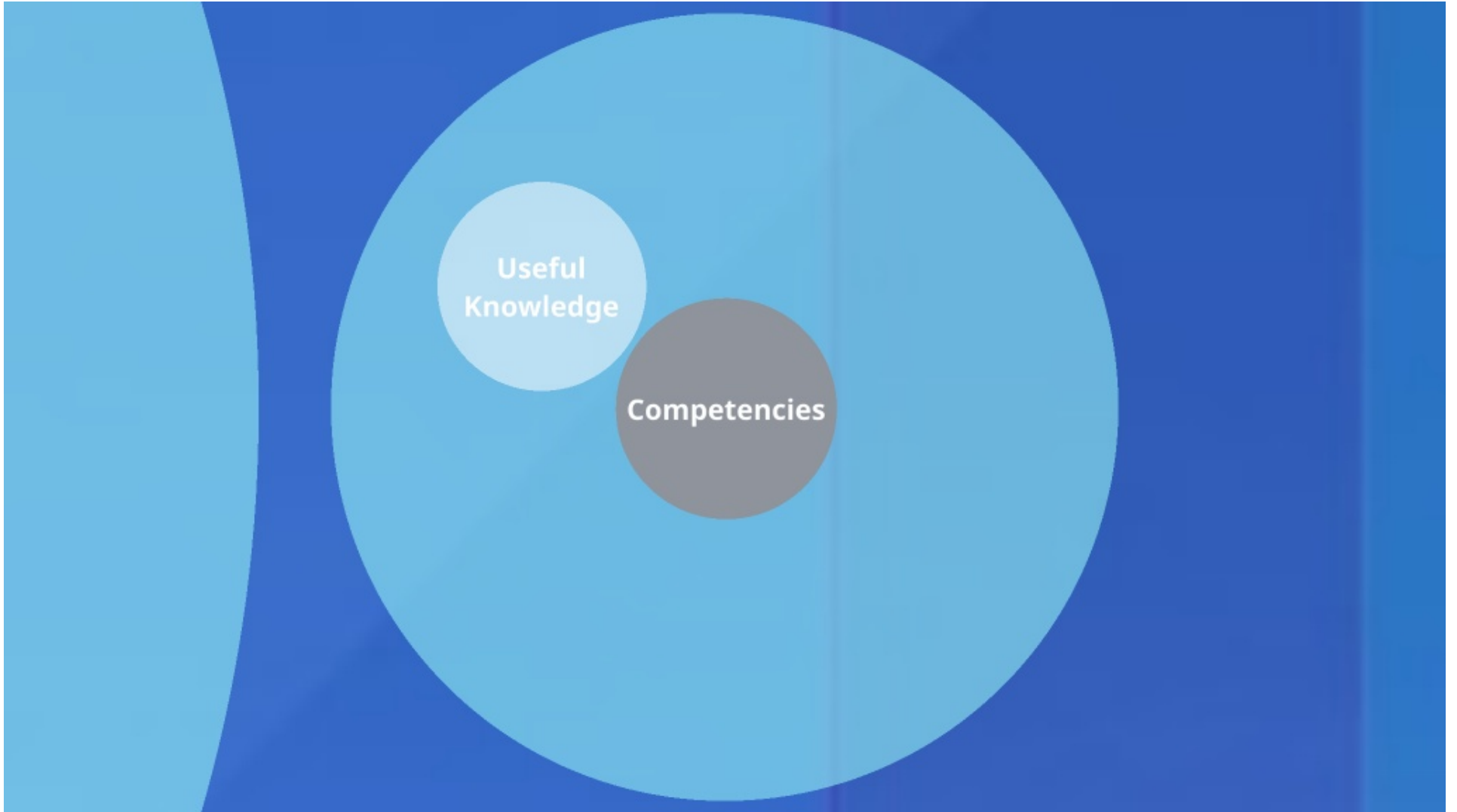


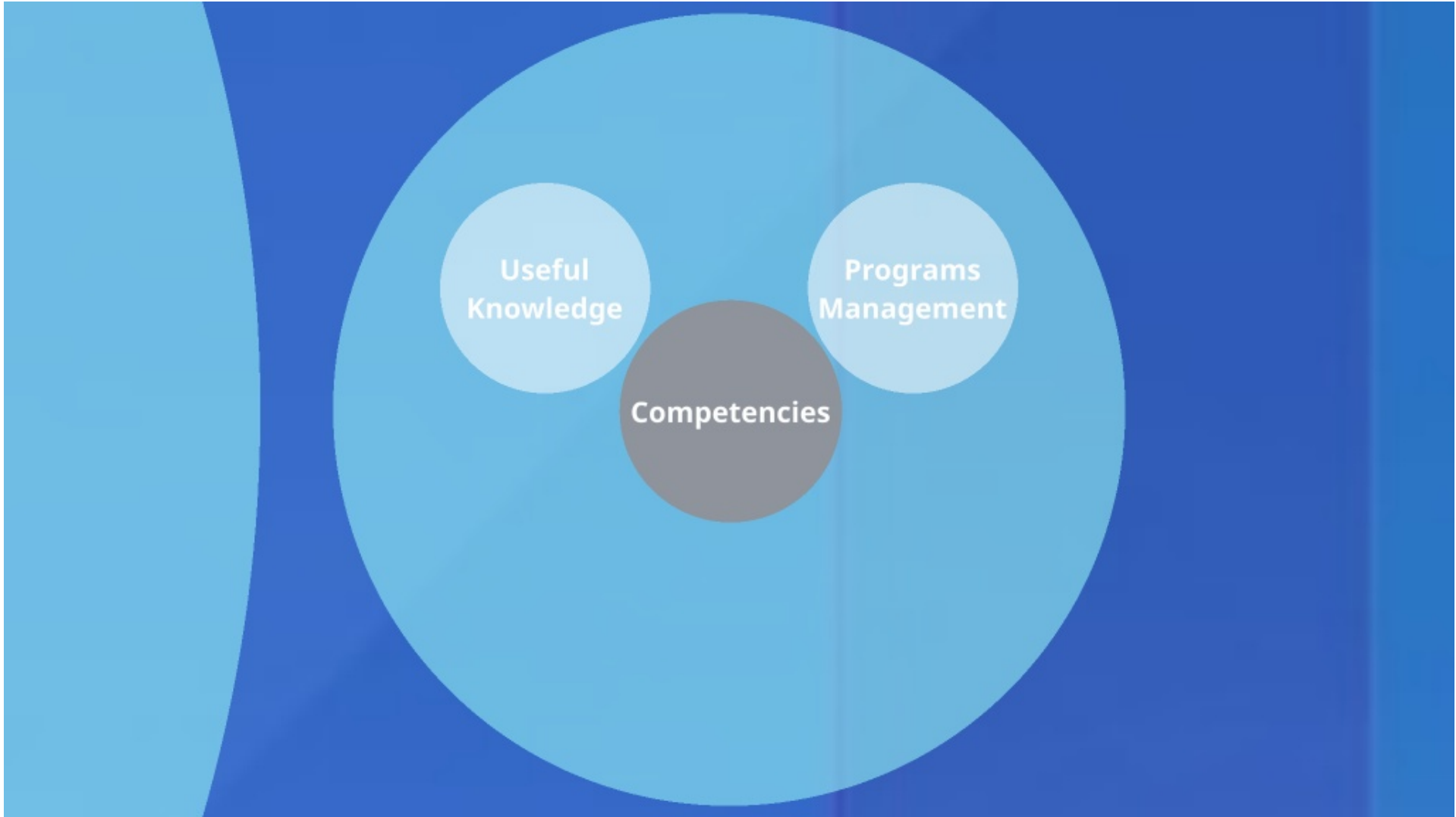






Competencies



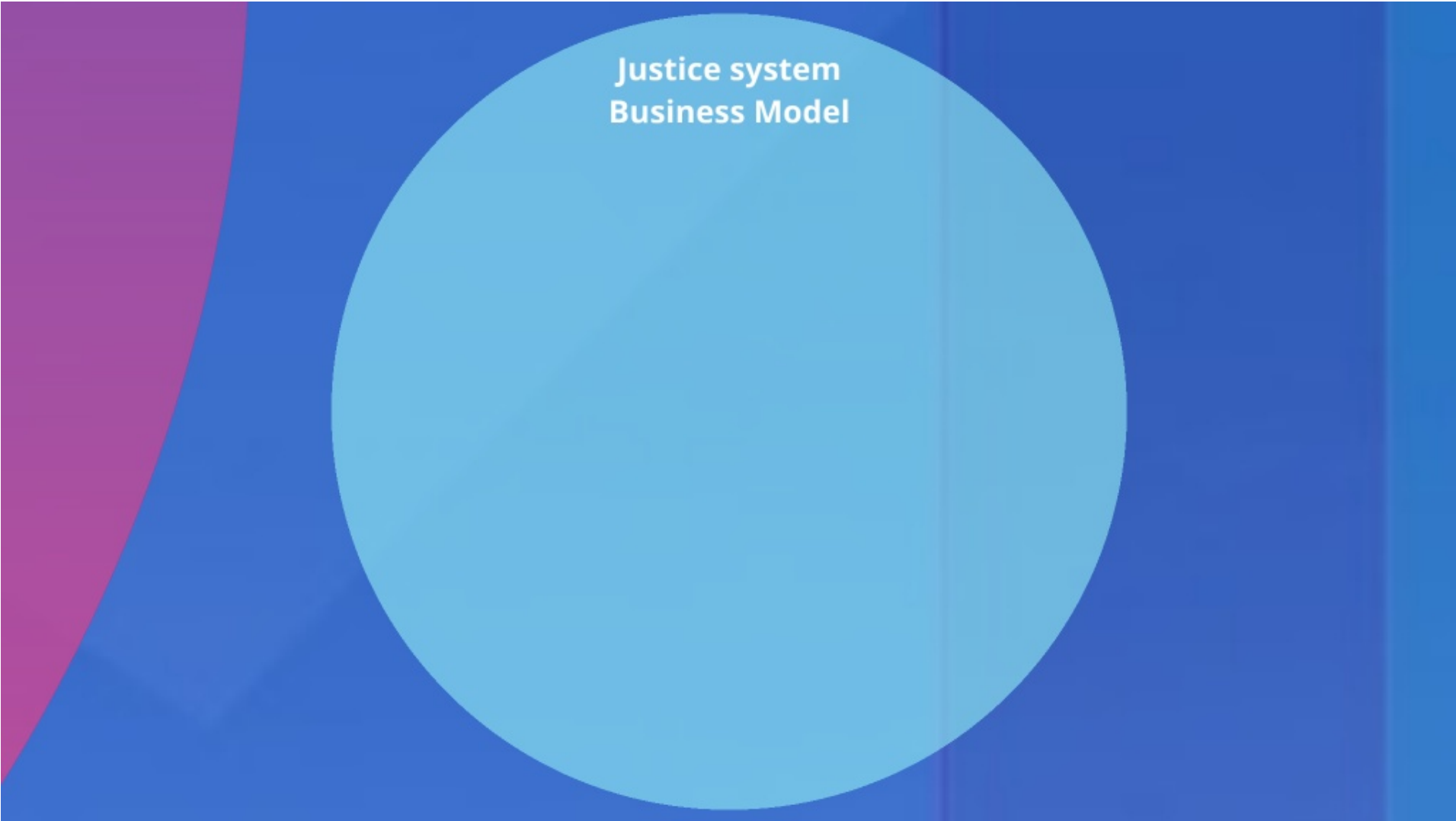






Strategic assets

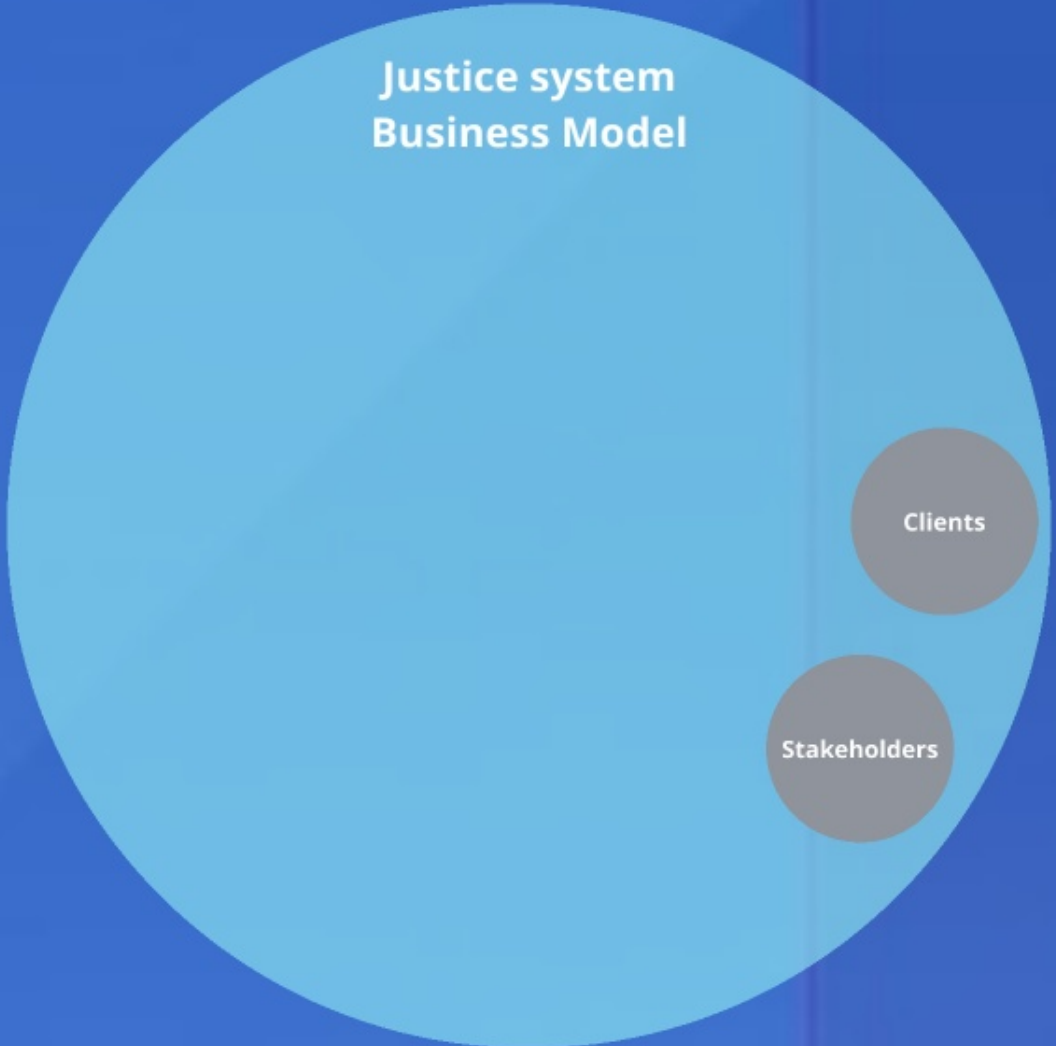
- **Laws and rules**
- **Local offices**
- **Professional networks**
- **Methodologies**
- **Specialized professionals**
- **Strategic partnerships**



Justice system
Business Model

Justice system
Business Model

Clients

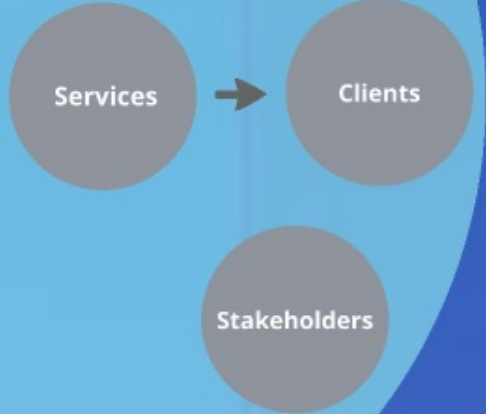


Justice system
Business Model

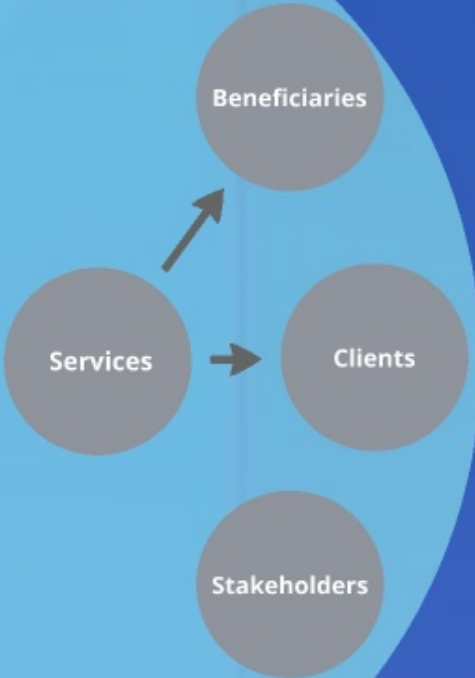
Clients

Stakeholders

Justice system Business Model



Justice system Business Model



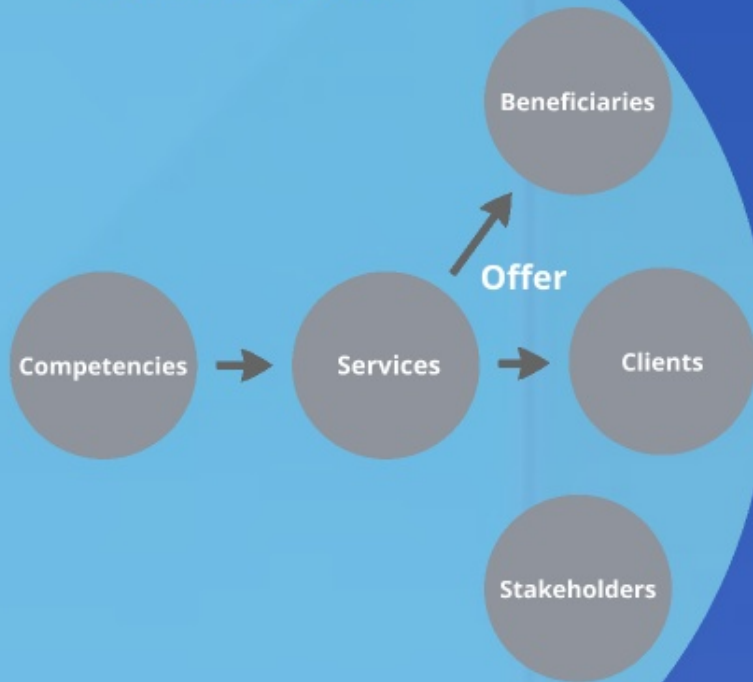
Justice system Business Model



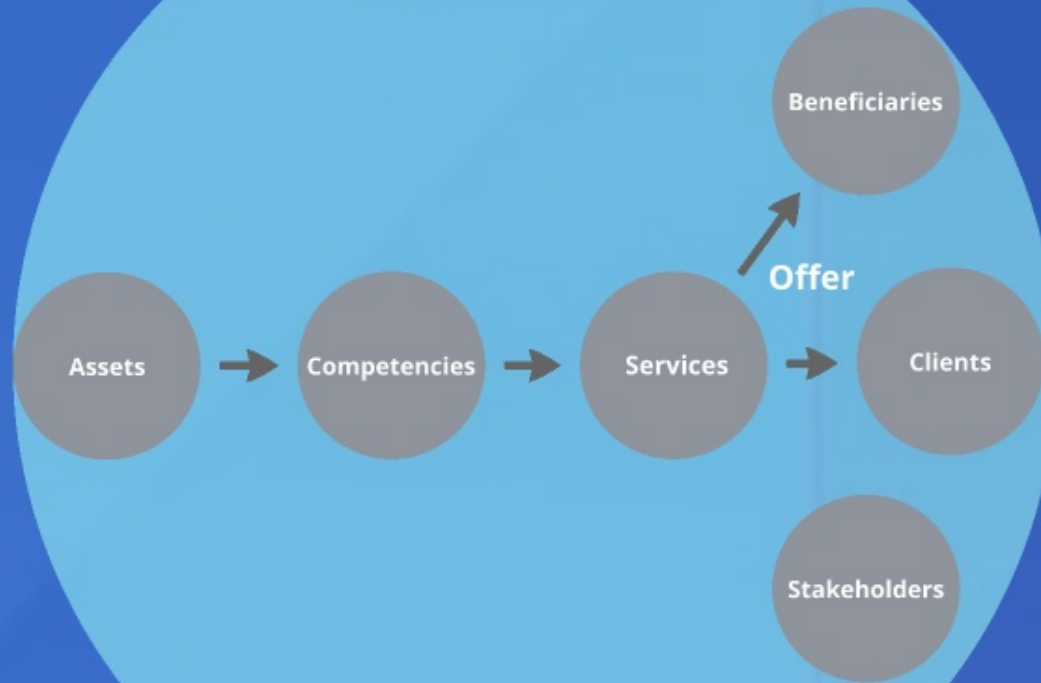
Justice system Business Model



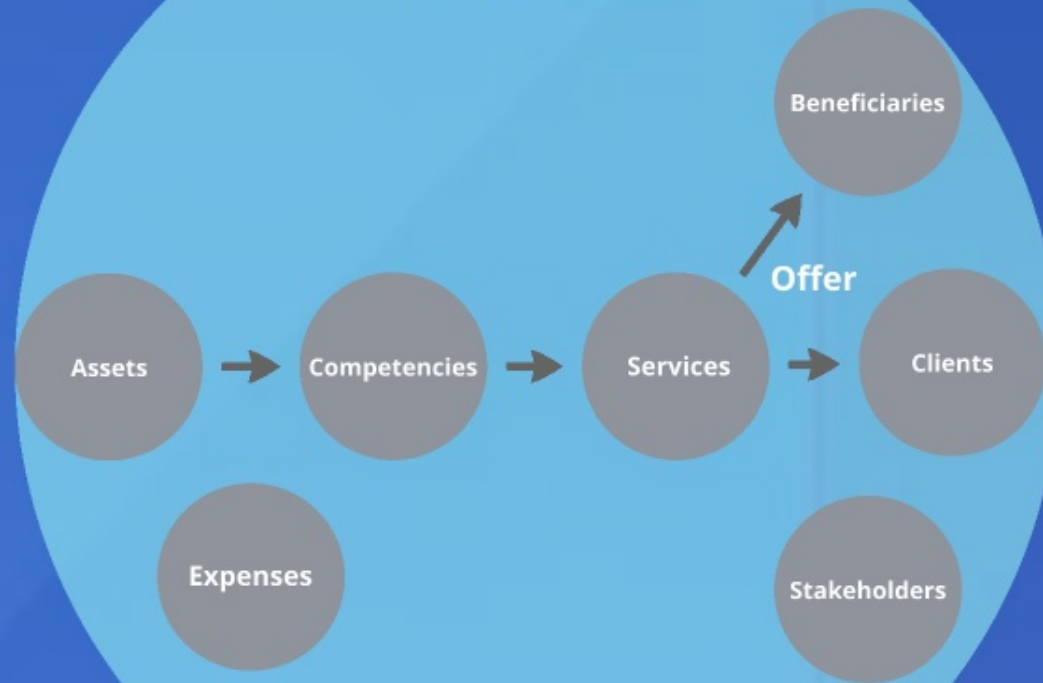
Justice system Business Model



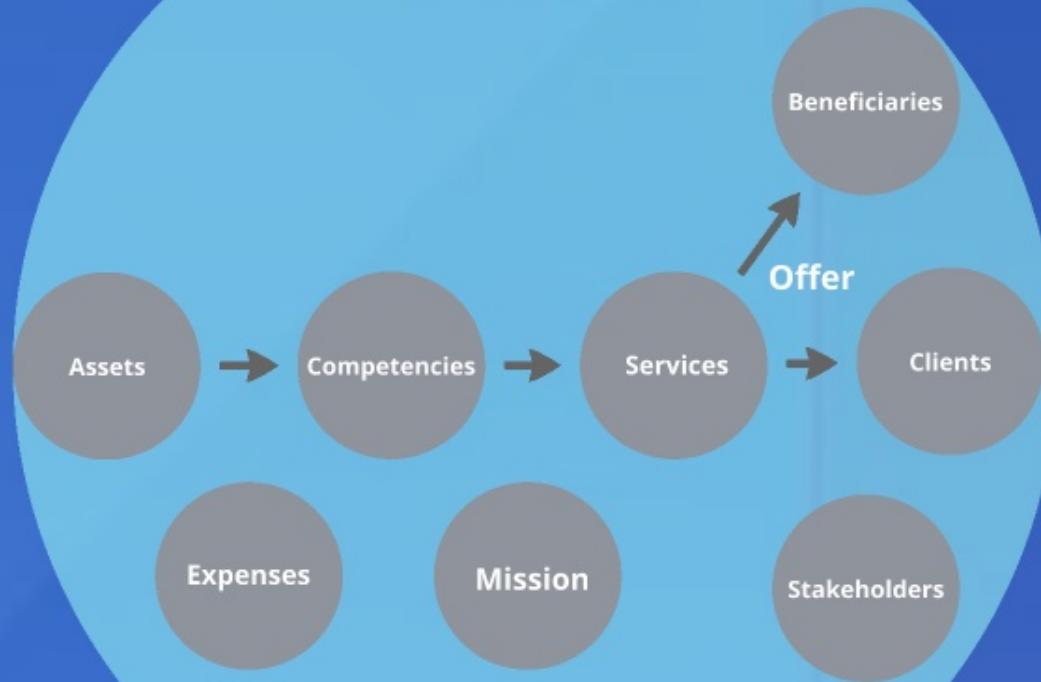
Justice system Business Model



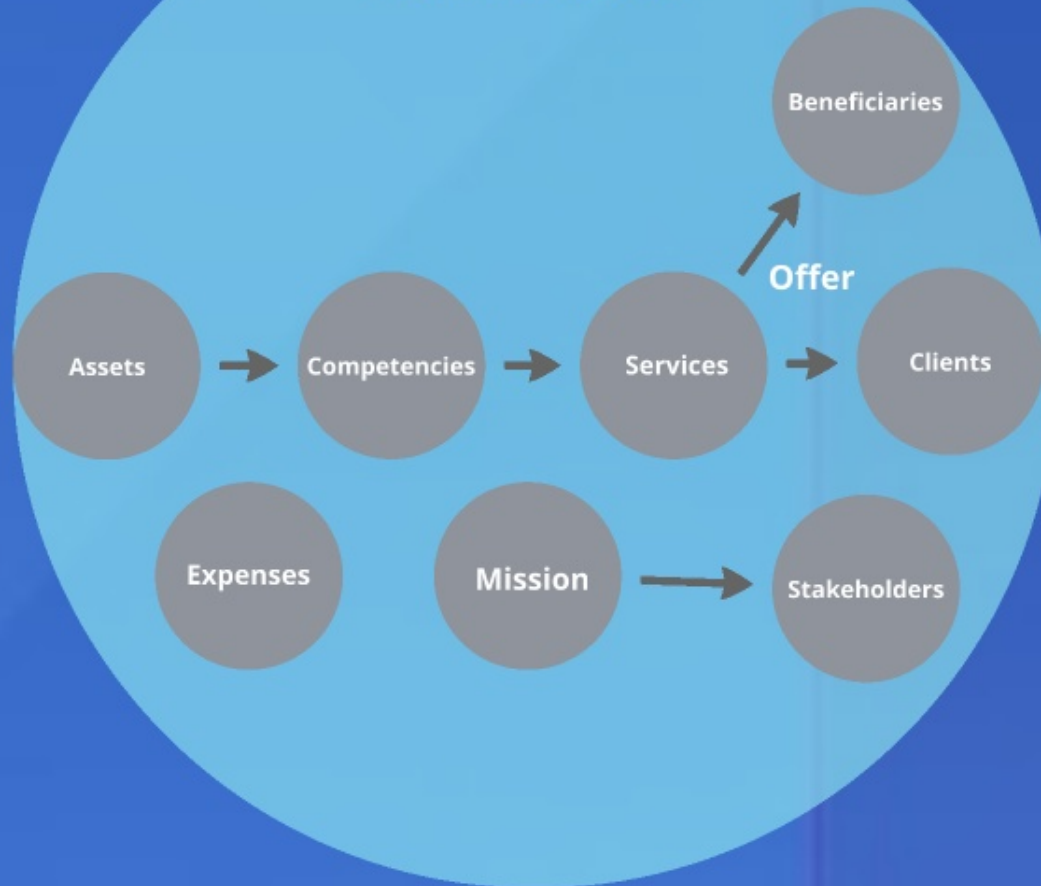
Justice system Business Model



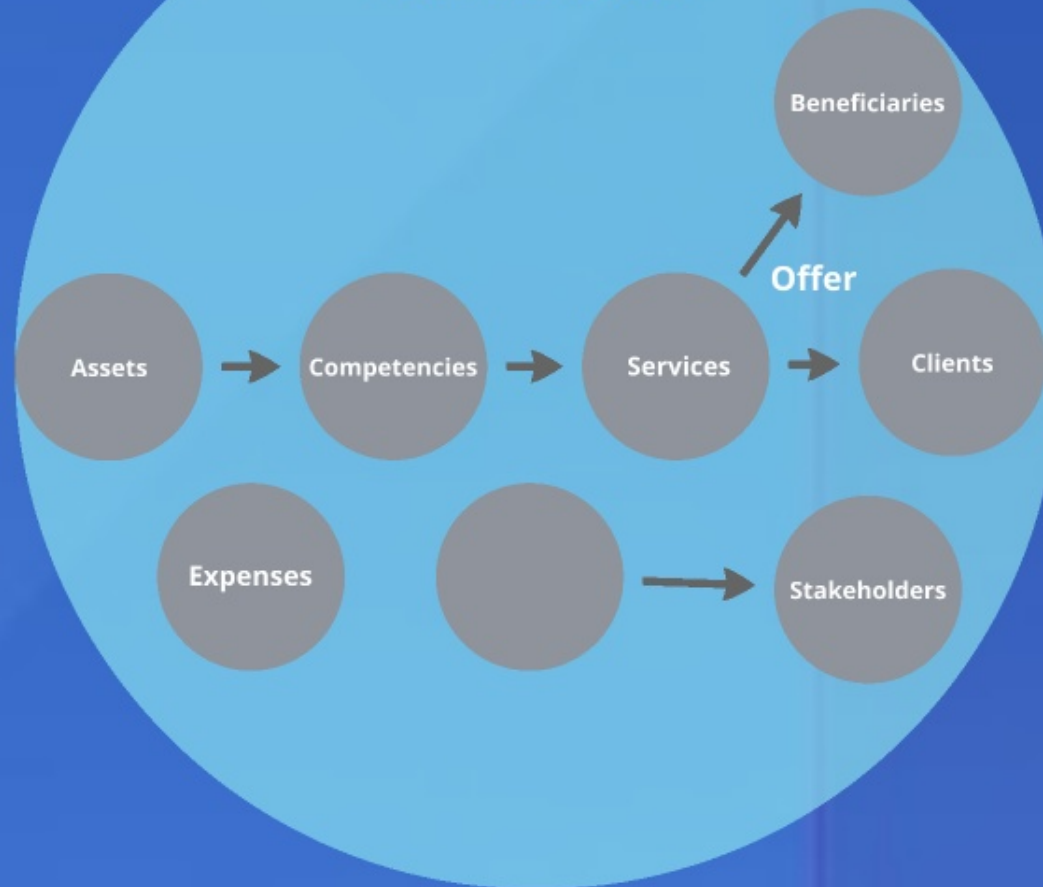
Justice system Business Model



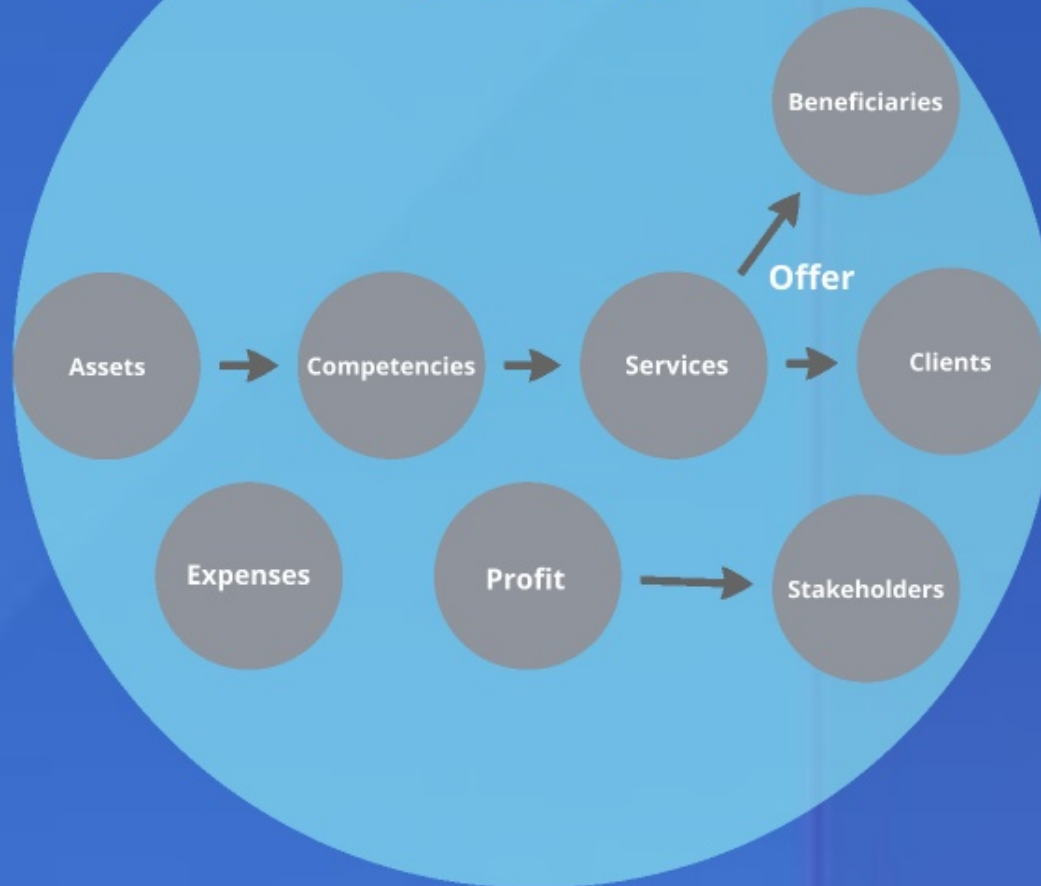
Justice system Business Model



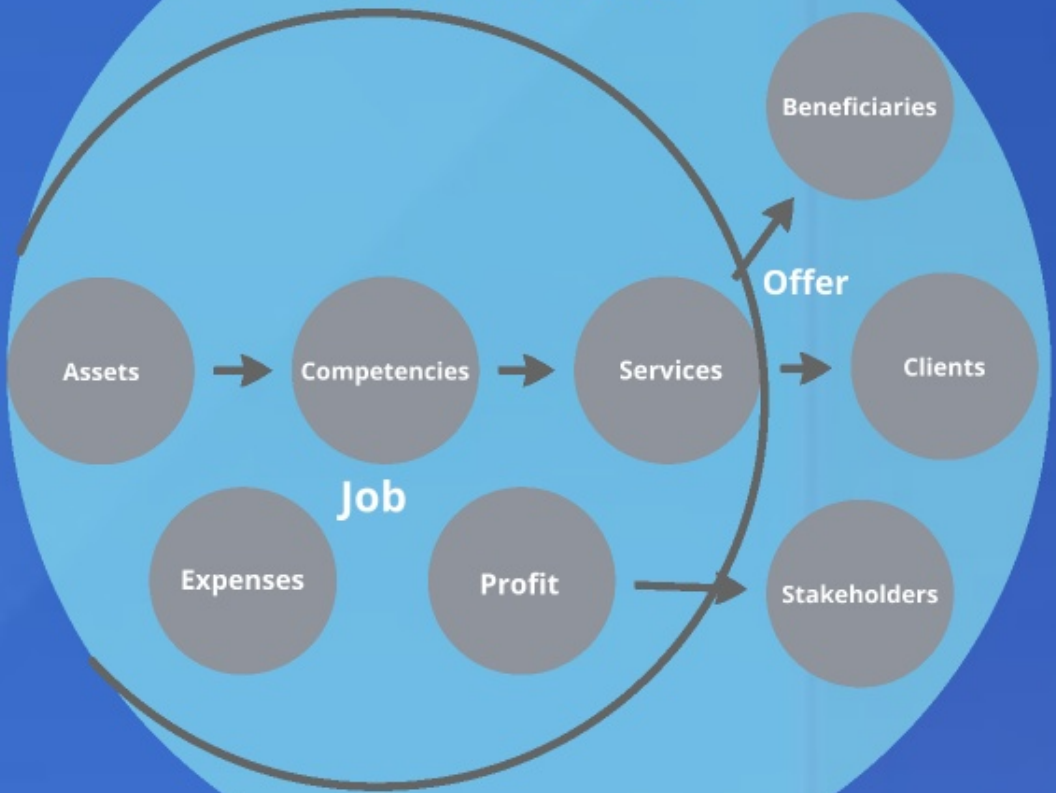
Justice system Business Model

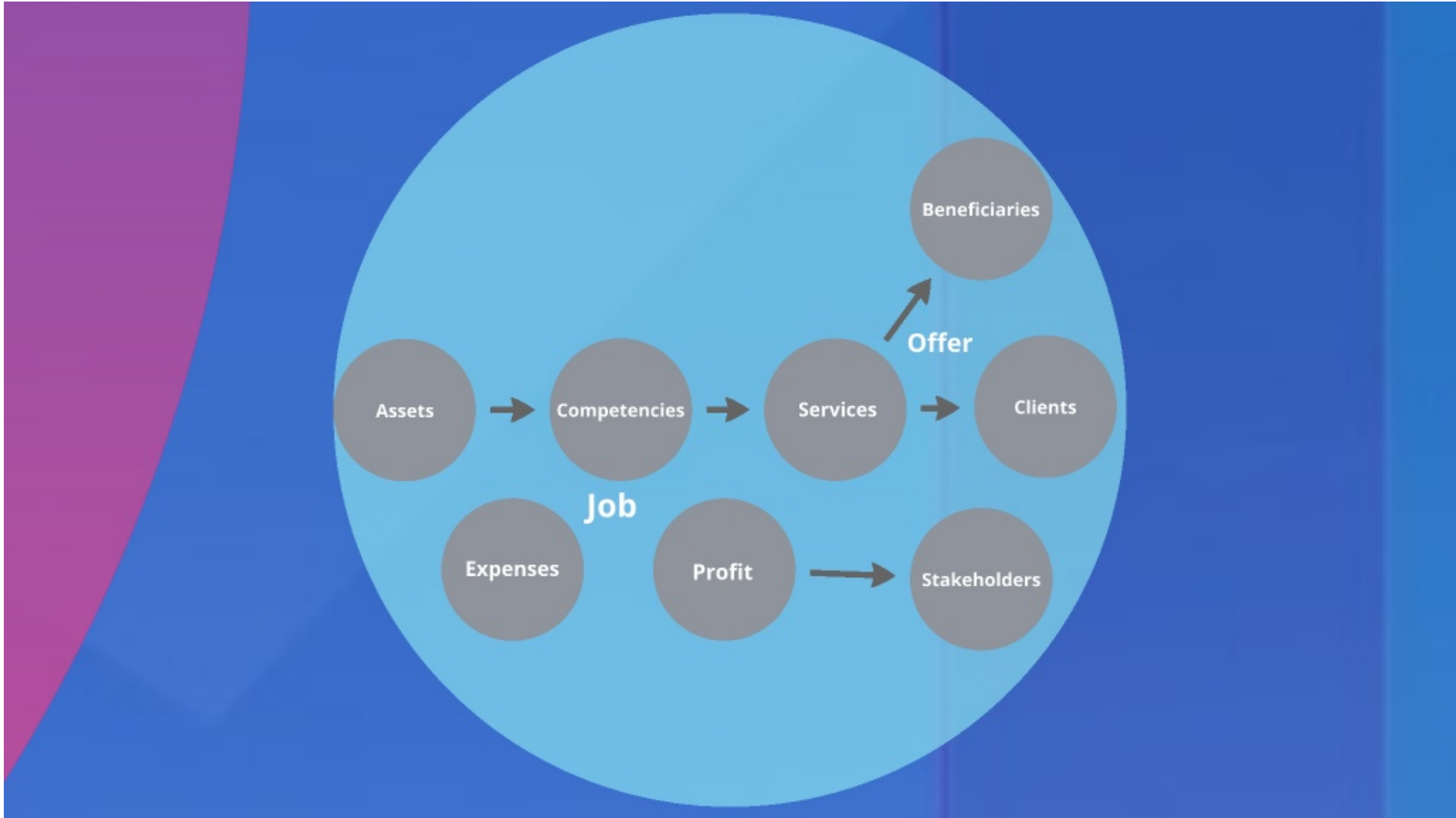


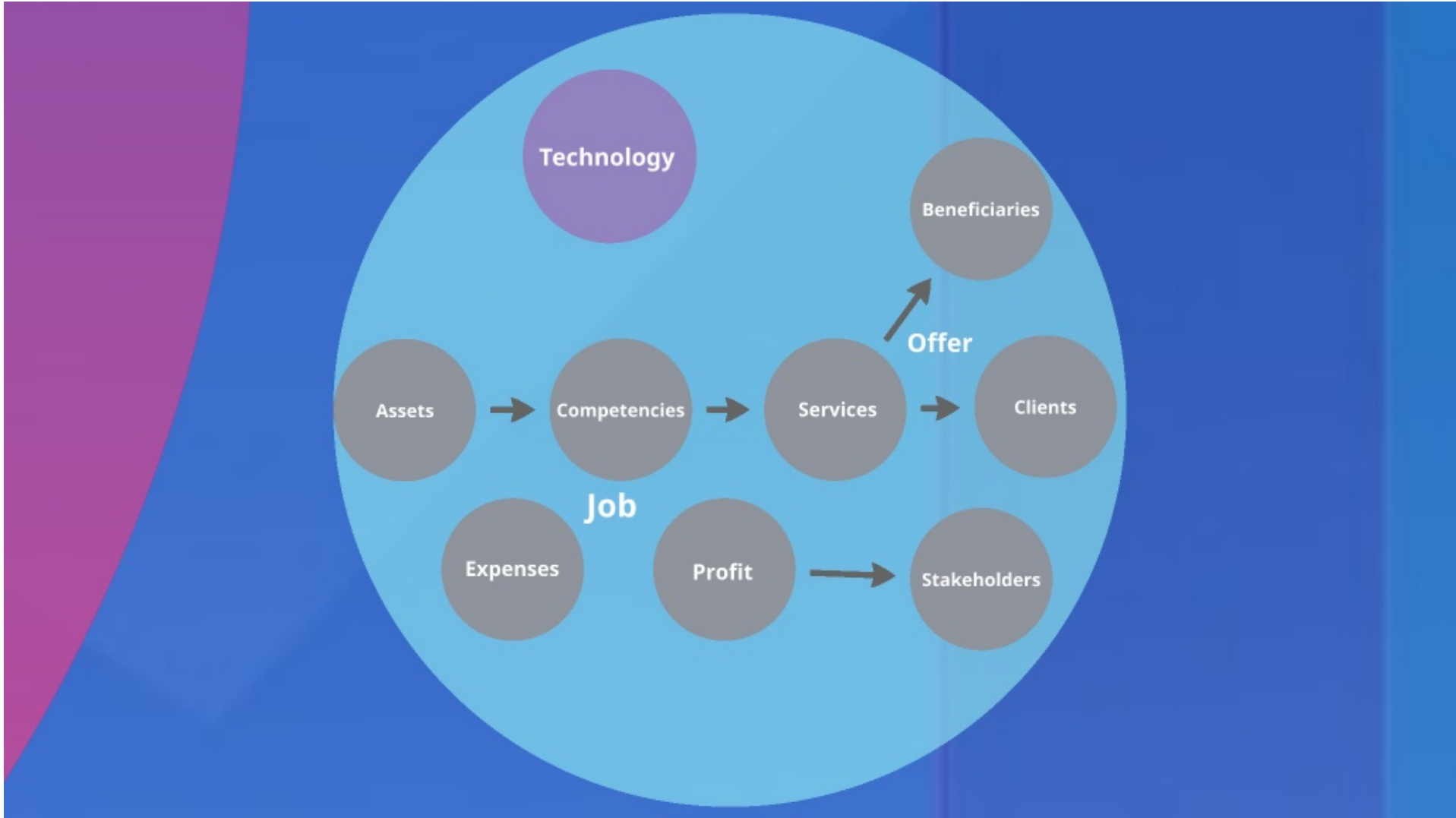
Justice system Business Model

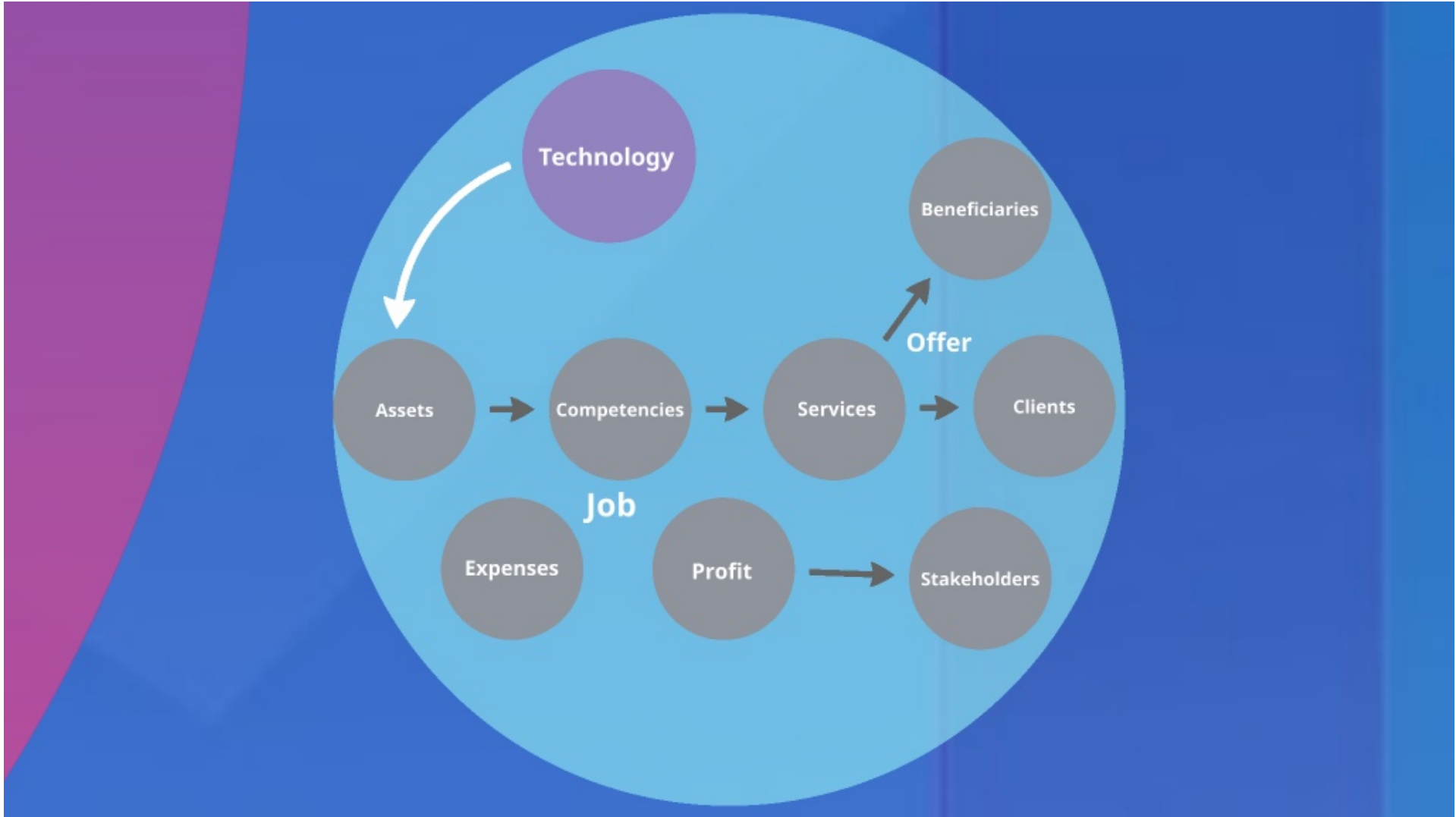


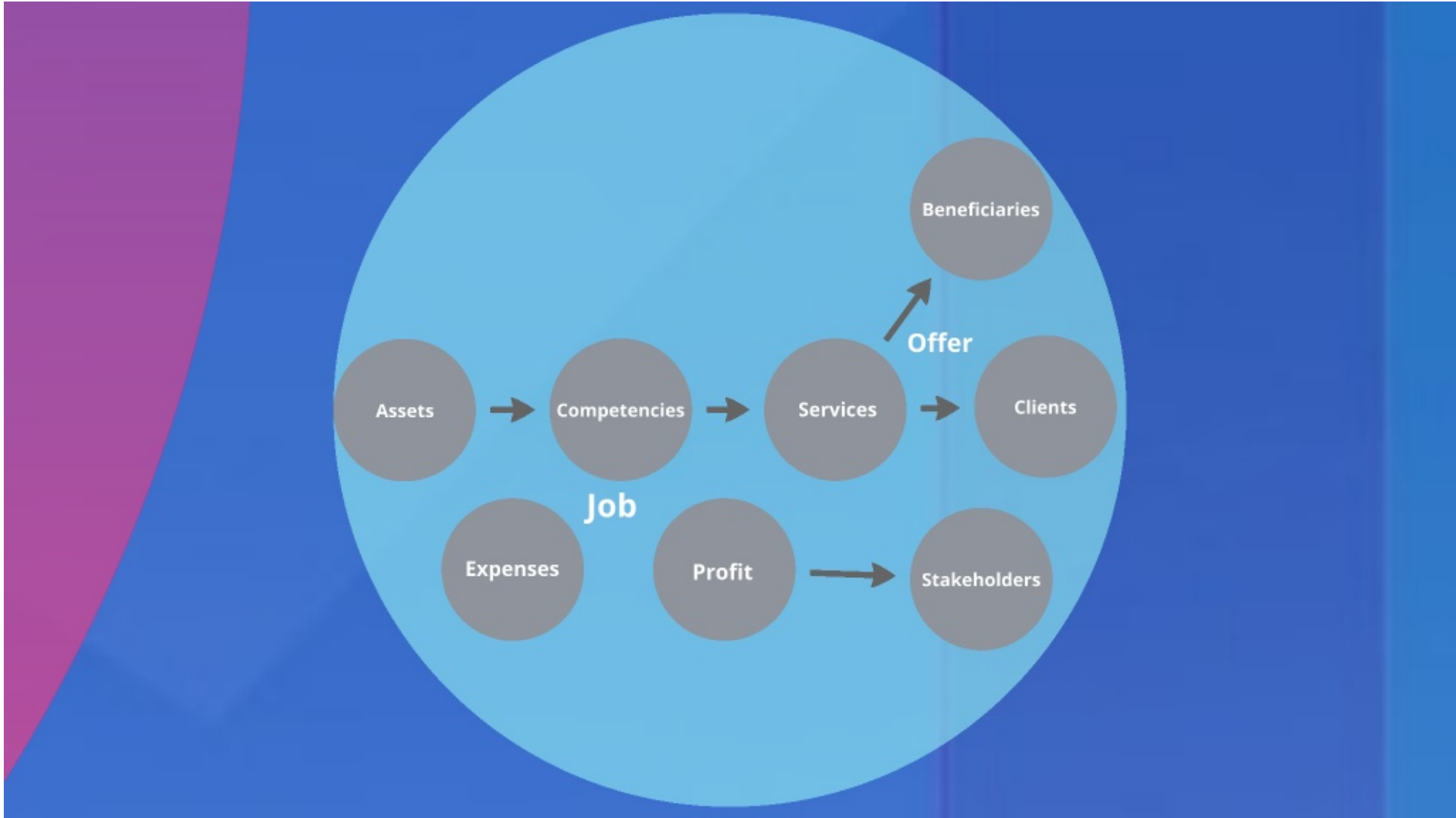
Justice system Business Model

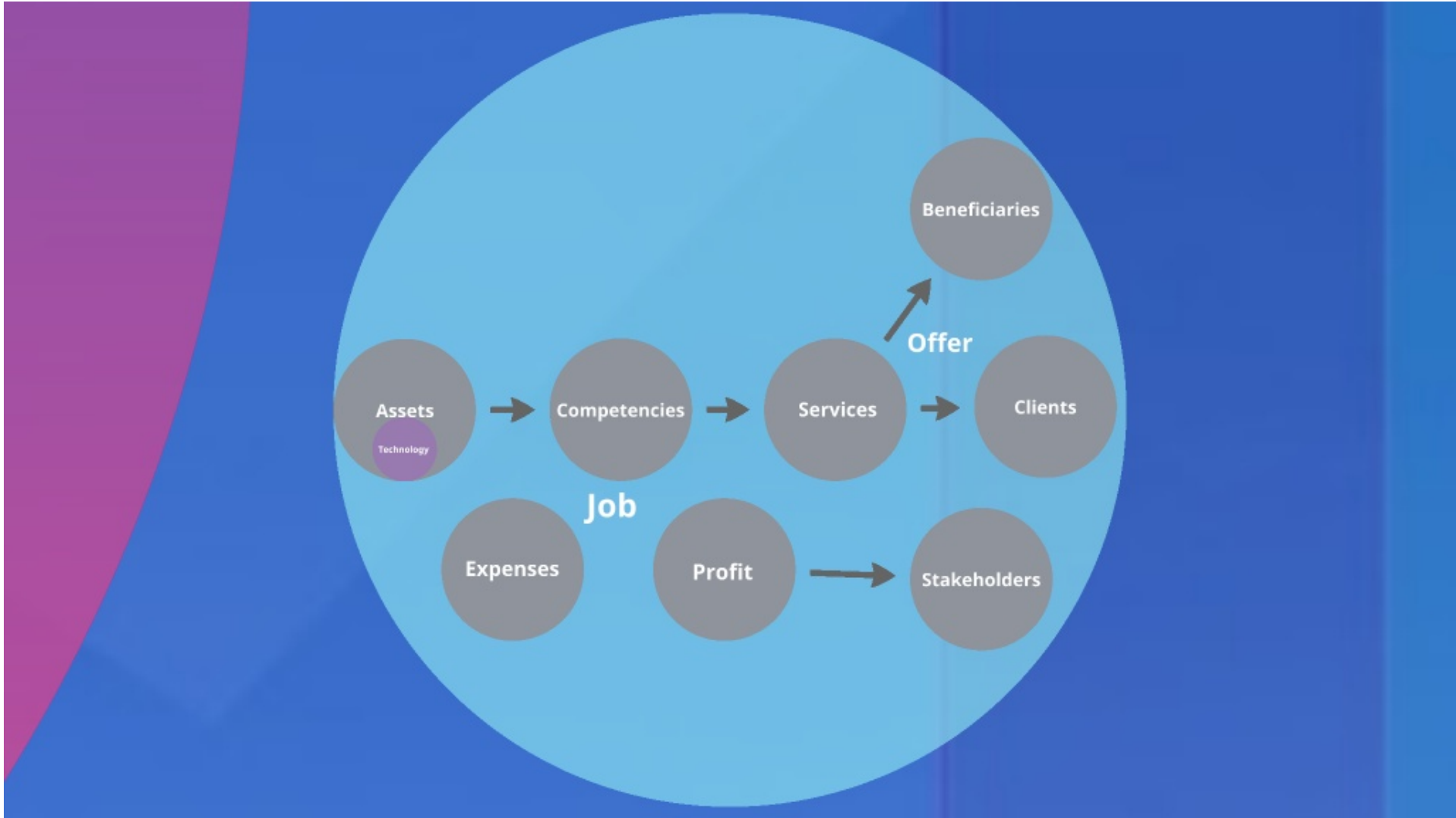


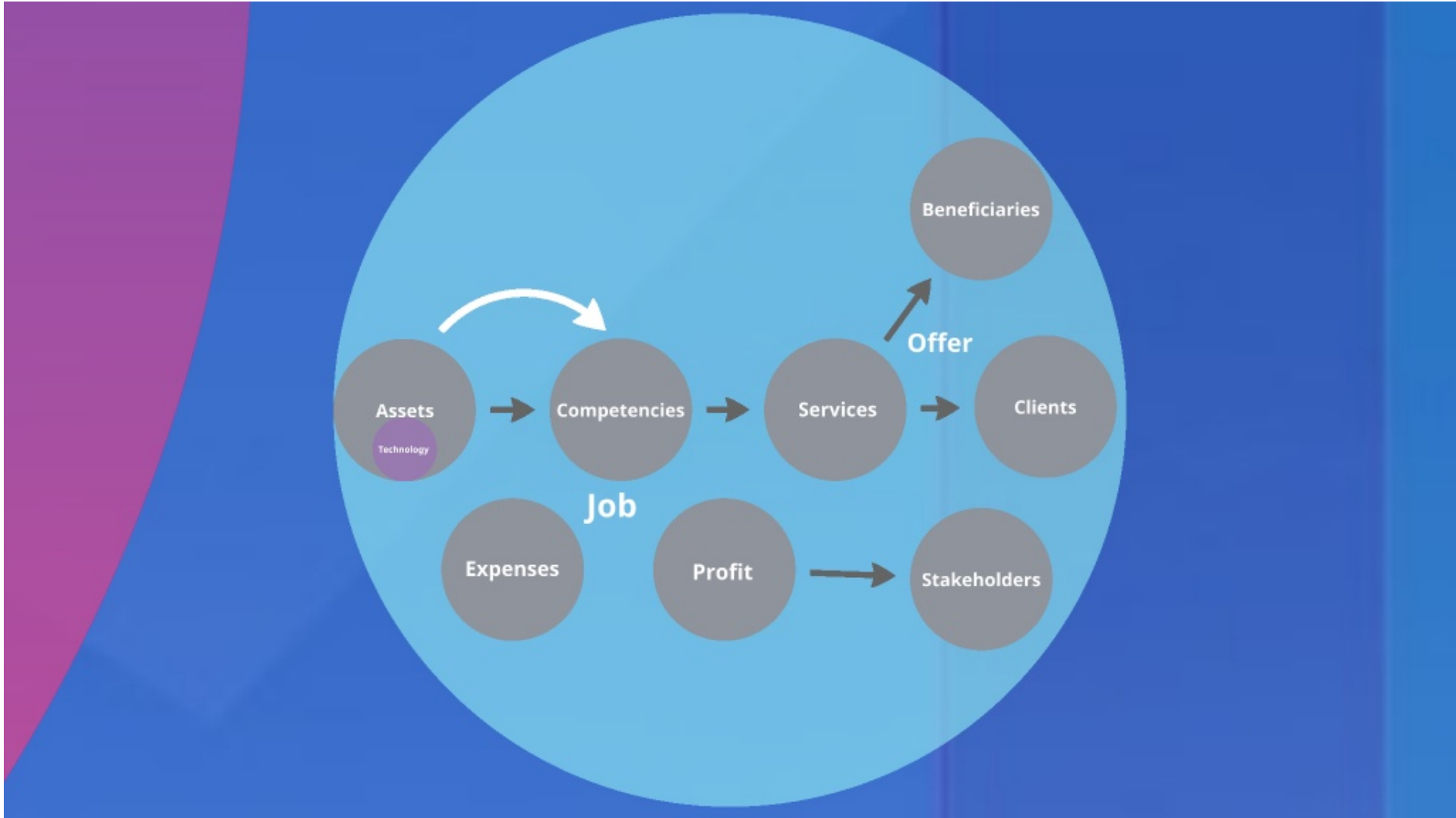


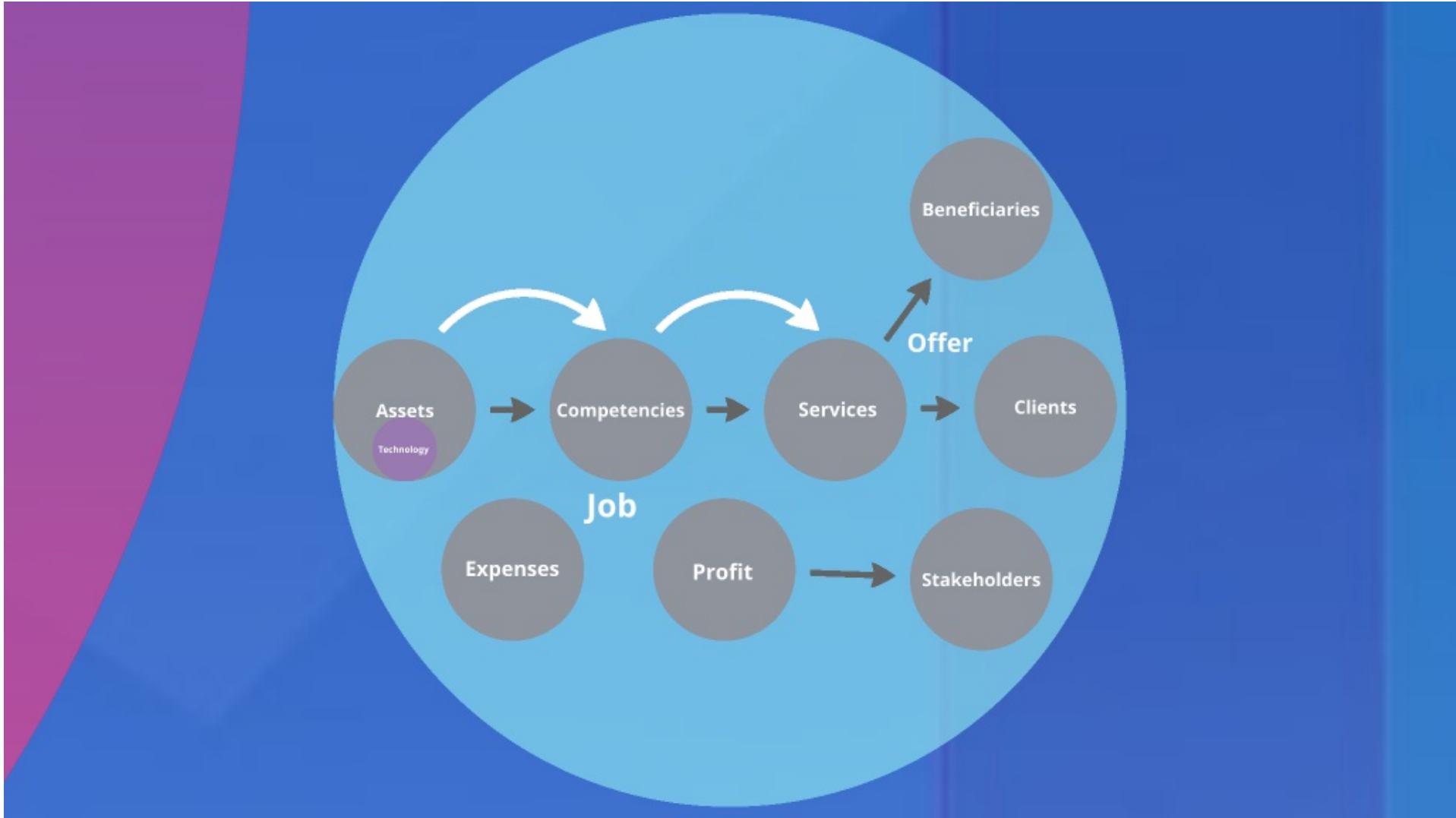


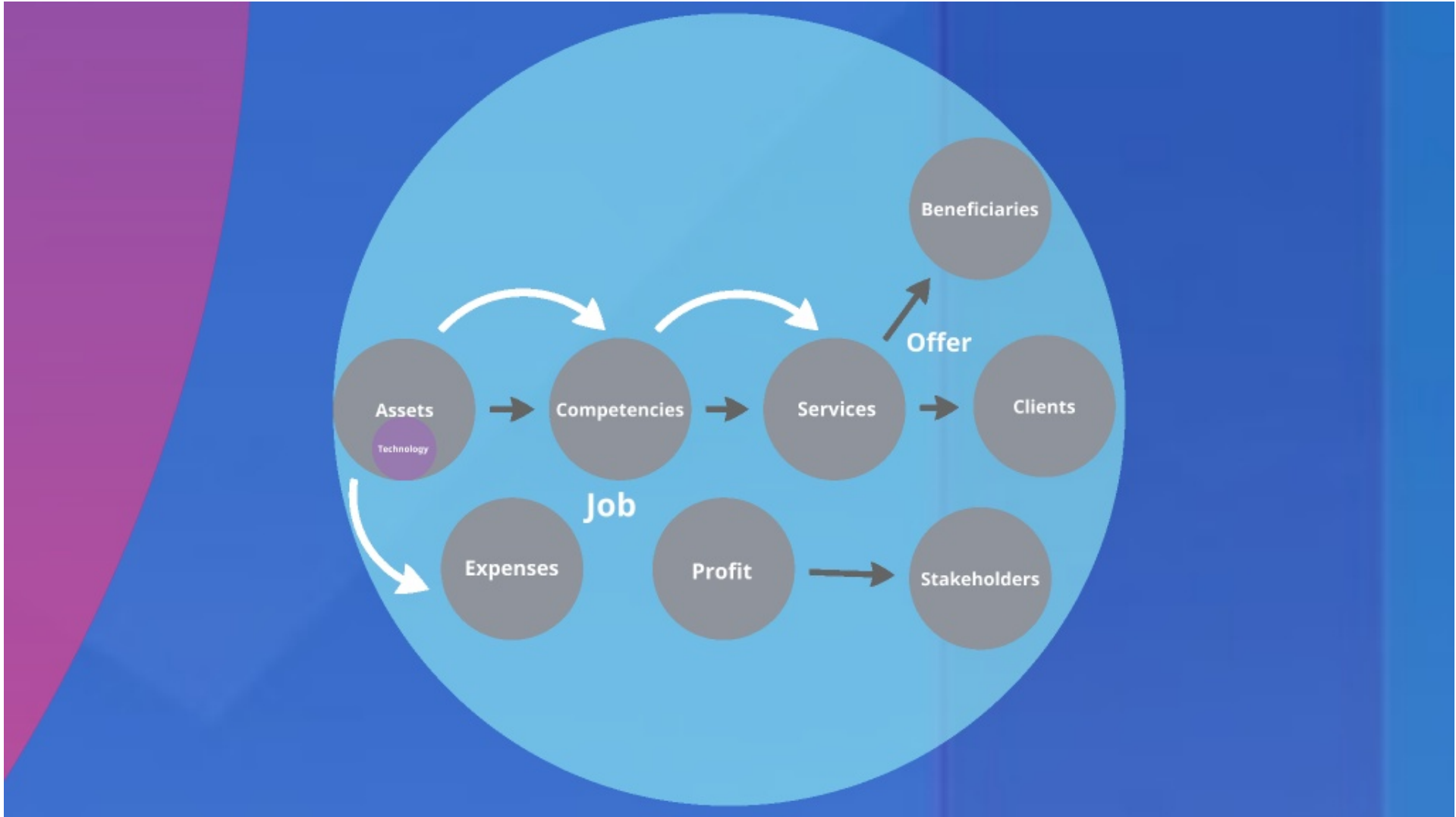


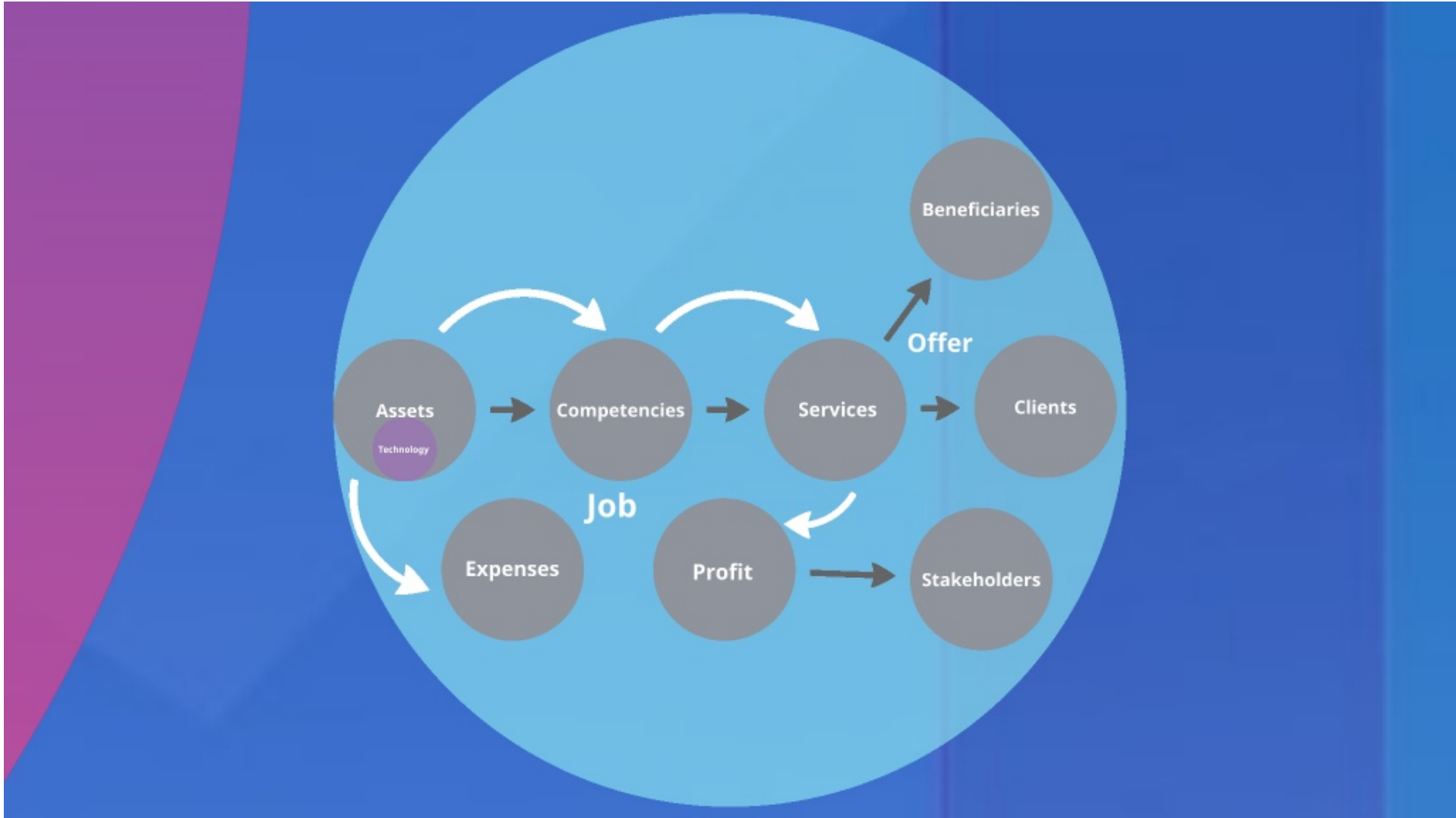














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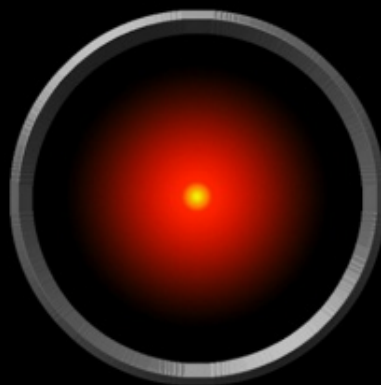
Fly

Drive

Dive

Sail

I'm sorry Dave,
I'm afraid I can't do that.



EUROPEAN COMMISSION FOR THE EFFICIENCY OF JUSTICE (CEPEJ)

European ethical Charter
on the use of Artificial Intelligence in
judicial systems and their environment



Adopted at the 31st plenary meeting
of the CEPEJ (Strasbourg, 3-4 December 2018)

THE ETHICAL PRINCIPLES OF A EUROPEAN CHARTER ON THE USE OF ARTIFICIAL INTELLIGENCE IN JUDICIAL SYSTEMS AND THEIR ENVIRONMENT

1. The use of artificial intelligence in judicial systems should be designed and implemented in a way that respects the fundamental values of the rule of law, the right to a fair trial, the right to an effective remedy and the right to a fair and public hearing within a reasonable time by an independent and impartial tribunal established by law.
2. The use of artificial intelligence in judicial systems should be designed and implemented in a way that respects the fundamental values of the rule of law, the right to a fair trial, the right to an effective remedy and the right to a fair and public hearing within a reasonable time by an independent and impartial tribunal established by law.
3. The use of artificial intelligence in judicial systems should be designed and implemented in a way that respects the fundamental values of the rule of law, the right to a fair trial, the right to an effective remedy and the right to a fair and public hearing within a reasonable time by an independent and impartial tribunal established by law.
4. The use of artificial intelligence in judicial systems should be designed and implemented in a way that respects the fundamental values of the rule of law, the right to a fair trial, the right to an effective remedy and the right to a fair and public hearing within a reasonable time by an independent and impartial tribunal established by law.
5. The use of artificial intelligence in judicial systems should be designed and implemented in a way that respects the fundamental values of the rule of law, the right to a fair trial, the right to an effective remedy and the right to a fair and public hearing within a reasonable time by an independent and impartial tribunal established by law.



THE FIVE PRINCIPLES OF THE ETHICAL CHARTER ON THE USE OF ARTIFICIAL INTELLIGENCE IN JUDICIAL SYSTEMS AND THEIR ENVIRONMENT

1. Principle of respect for fundamental rights: ensure that the design and implementation of artificial intelligence tools and services are compatible with fundamental rights
2. Principle of non-discrimination: Specifically prevent the development or intensification of any discrimination between individuals or groups of individuals
3. Principle of quality and security: With regard to the processing of judicial decisions and data, use certified sources and intangible data with models conceived in a multi-disciplinary manner, in a secure technological environment
4. Principle of transparency, impartiality and fairness: Make data processing methods accessible and understandable, authorise external audits
5. Principle "under user control": Preclude a prescriptive approach and ensure that users are informed actors and in control of their choices



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Bias & AI

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Mar 12, 2019

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May 12, 2019

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Positive **Impartial** Negative

× CLOSE

Positive

Impartial

Negative

× CLOSE



US deploys another warship, Patriot missiles to Persian Gulf

Pointing to "troubling" moves by Iran, the US sent another warship and Patriot missiles to the Persian Gulf to join a carrier strike group and Air Force bomber task force already in the region.

By Knowhere

May 11, 2019 6:26 PM Hddc



Defense Secretary Patrick Shanahan approved the deployment of an additional warship and Patriot missiles as part of a US Central Command request for additional forces. The USS Arlington, an amphibious transport ship, and a Patriot missile defense battery will join the USS Abraham Lincoln carrier strike group and a US Air Force bomber task force already deployed in

Positive

Impartial

Negative

X CLOSE



US building up military forces against Iran

Pointing to "troubling" moves by Iran, the US sent another warship and Patriot missiles to the Persian Gulf to join a carrier strike group and Air Force bomber task force already in the region.

By Knowhere

May 11, 2019 6:26 PM Hddc



After unilaterally withdrawing from the multi-nation 2015 nuclear deal with Iran and destabilizing the region, the US is now sending a another warship and a battery of Patriot missiles to join the carrier strike group and bomber task force currently "protecting" American interests in the Middle East from Iran, still insisting the buildup is merely defensive. The USS Arlington, a

Positive

Impartial

Negative

X CLOS



US moves to strengthen Persian Gulf defenses as Iran rattles saber

Pointing to "troubling" moves by Iran, the US sent another warship and Patriot missiles to the Persian Gulf to join a carrier strike group and Air Force bomber task force already in the region.

By Knowhere

May 11, 2019 6:26 PM Hddc



Countering "troubling" moves and saber rattling by Iran, the USS Arlington, an amphibious transport dock, and a Patriot missile battery will be deployed this week to support the US carrier strike group and bomber task force already in the Persian Gulf region, the Pentagon announced Friday. Acting Secretary of Defense Patrick Shanahan deployed them as part of US Central

**Robots are welcome to
replace the robotic part
of our jobs**



AI as a probation asset

- Interpreter (150+ idioms)
- Taking live meeting professional notes
- Offender support (24/7/365, ethical & supportive Chat-bot?)
- Help in the search of community offer that could match with offender needs
- Improving training probation officer skills
- Improving offender/victim skills
- Strategic game helping to overcome difficulties
- ...

“

Considering technology?



“

Considering technology?

What problem does the considered technology fixes for you?



“

Considering technology?

What problem does the considered technology fixes for you?

How does the considered technology fits into your business model?



“

The question

is not what technology can do, but
what technology should do.

Thank you for your listening

“

The question

is not what technology can do, but
what technology should do.



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