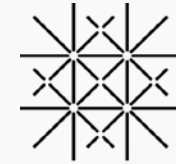


BLOCKCHAIN
CHALLENGE

BearingPoint®



**University
of Basel**

Center for
Innovative Finance

AV.

AudiVect – die smarte
Lösung für öffentliche
Ausschreibungen





Unser Case

AV.



Öffentliche Ausschreibungen



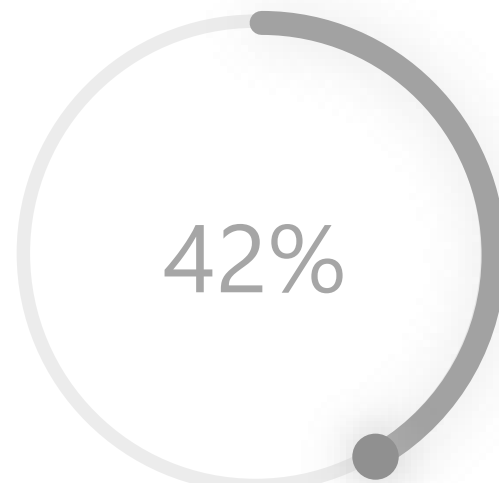
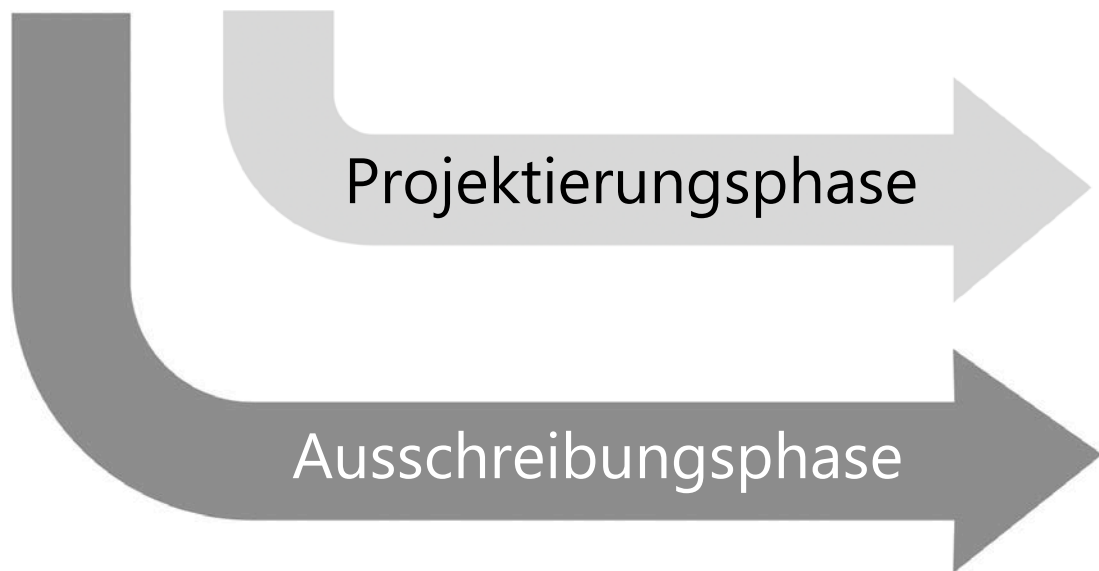
Komplexität



Blockchain Technologie

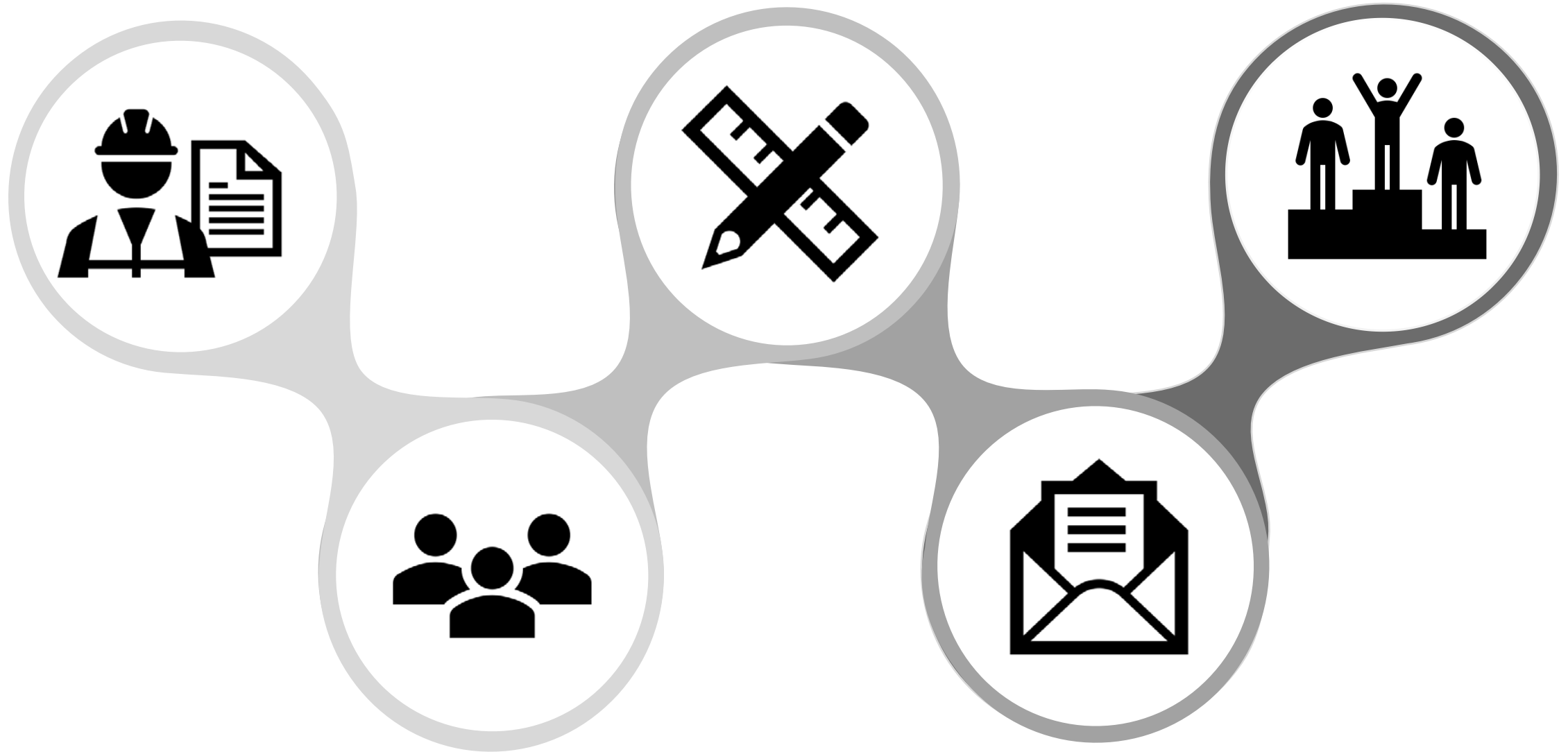
Relevanz

AV.

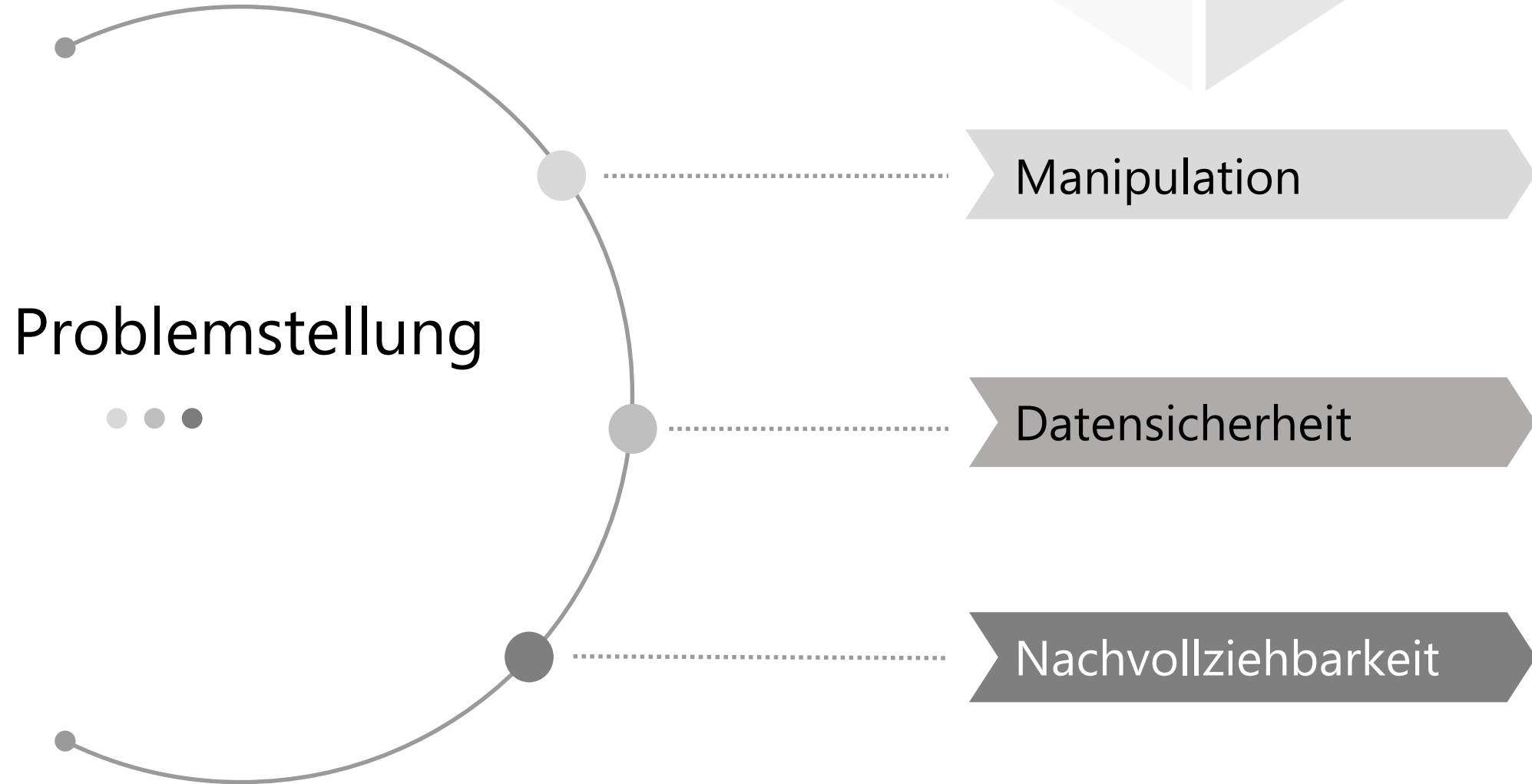


Ausschreibungsverfahren

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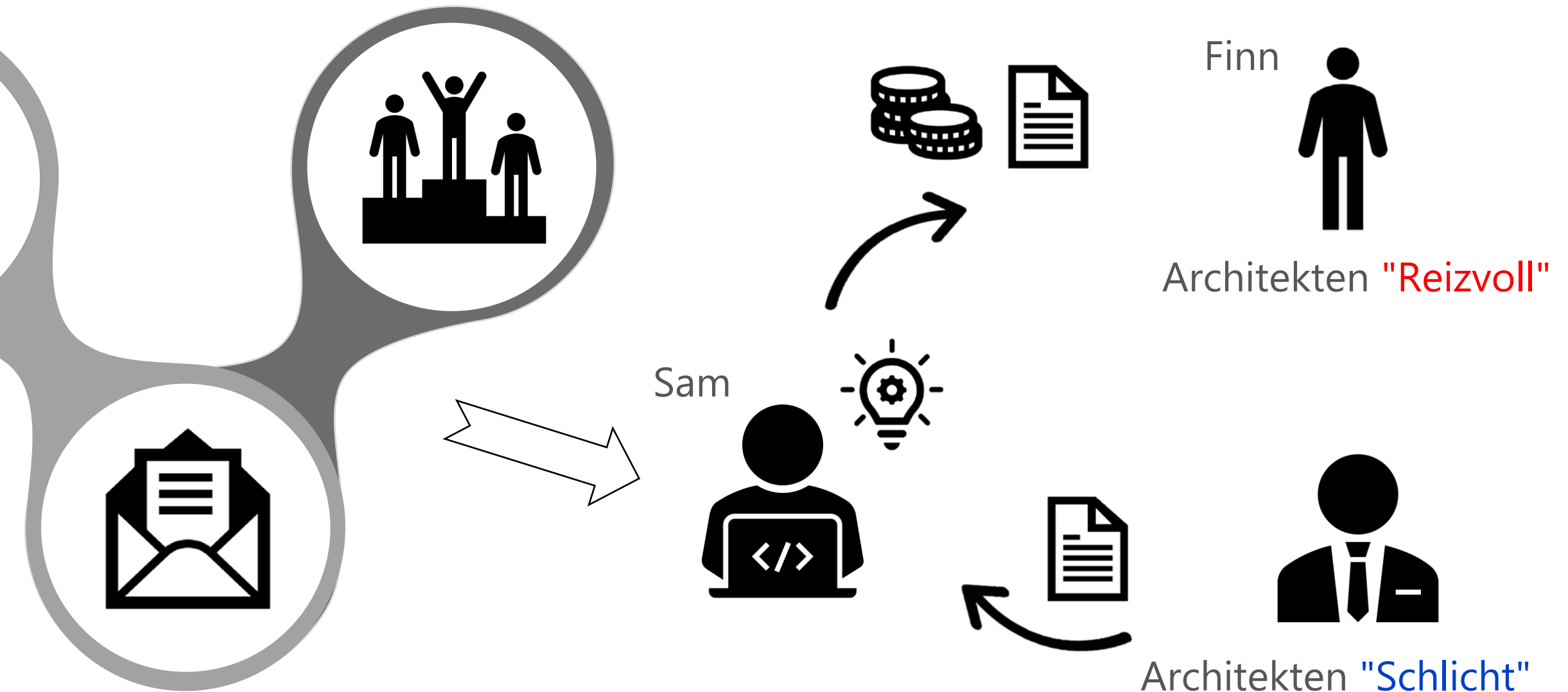


AV.



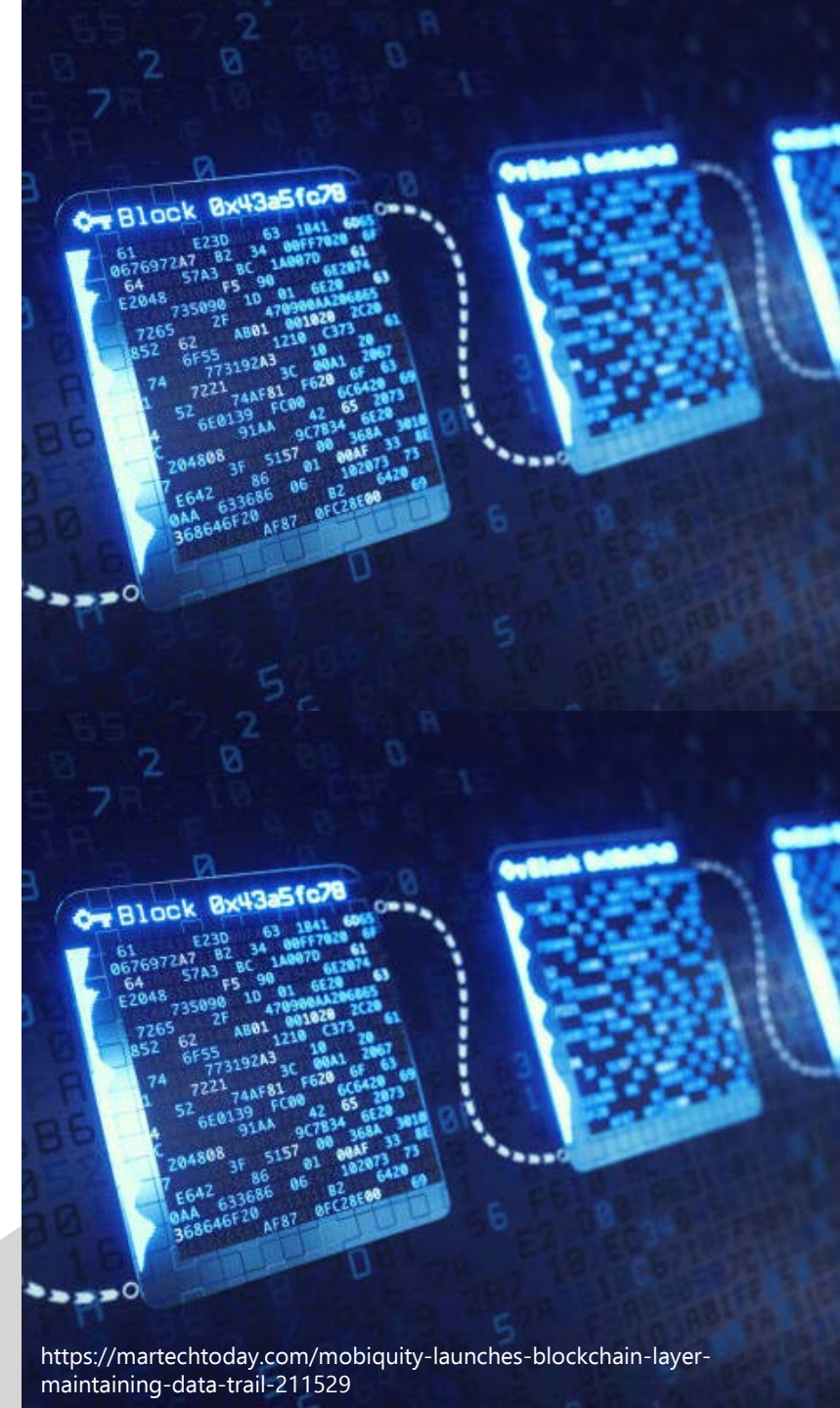
Manipulierte Ausschreibung

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Warum Blockchain?

- ✓ Öffentlich
- ✓ Manipulationssicher
- ✓ Commit and Reveal
- ✓ Gleiche Bedingungen



Was ist ein Hashwert?



Offerte über 1'000'000 CHF eingereicht durch XYZ AG



a1634bdd5d313a62d1f7e3628f84391ebfa9df41830301bdd768bbb02e172153



offerte über 1'000'000 CHF eingereicht durch XYZ AG



266908fa4674ef694c785304f15a96b258f74d7bf643917787c3eeeb1c39b1bd

Commit and Reveal

AV.

Zwei Phasen

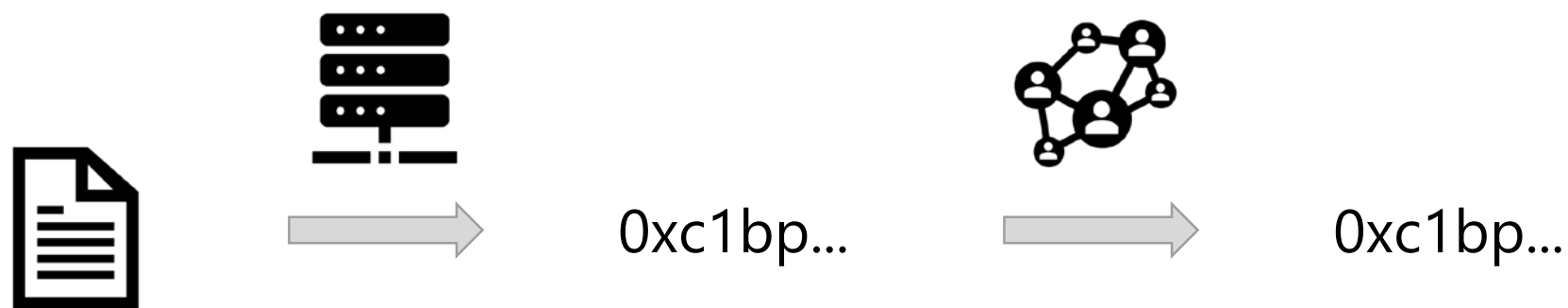


Physisch

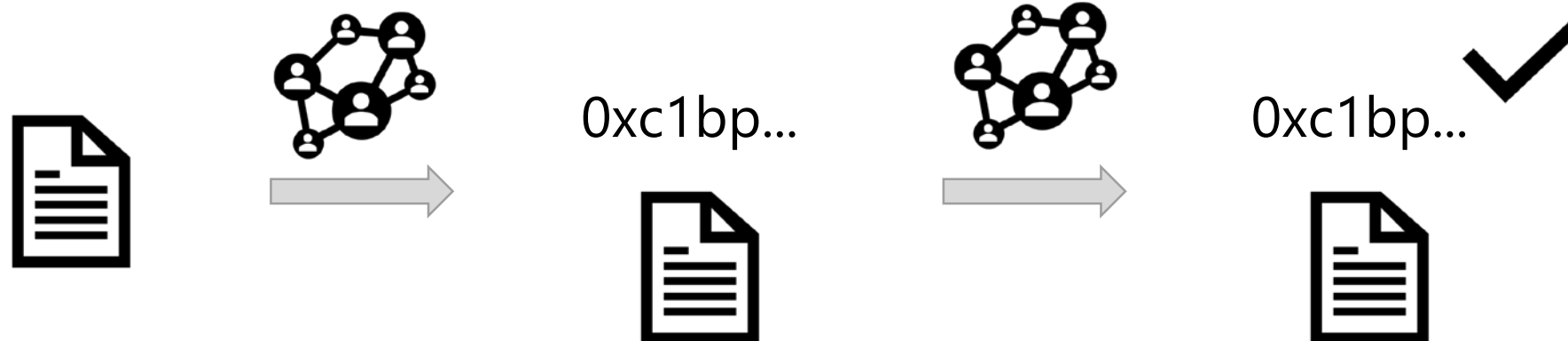


Commit and Reveal

AV.



Digital



AV.

Übersicht



Max Mustermann AG

[Details](#)

0x0255...3505 

 3.9995 ETH



Euro Gleis AG

[Details](#)

0x7d1d...d5c8 

 23.247 ETH



Franz Müllermann AG

[Details](#)

0xb074...714F 

 2 ETH

Contract Overview

Balance: 6 Ether

More Info

My Name Tag: Not Available

Contract Creator: [0x7d1df8c556329a...](#) at txn [0x4c9a65b57524f45...](#)

Transactions

Internal Txns

Contract

Events

Latest 25 from a total of 28 transactions

Txn Hash	Block	Age	From		To	Value	[Txn Fee]
0x8590fad6b53e81...	5573531	2 mins ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	0 Ether	0.000111832
0xf35b09d8b09945...	5573461	20 mins ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	2 Ether	0.000132198
0xe6167433f799be4...	5573451	22 mins ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	0 Ether	0.000111832
0x51867466b3686c...	5555798	3 days 1 hr ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	0 Ether	0.000062104
0x0b931452ed07e1...	5555796	2 days 1 hr ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	0 Ether	0.000055885

AV. Create Tender



Max Mustermann AG

[Details](#)

0x0255...3505

 3.9995 ETH



Euro Gleis AG

[Details](#)

0x7d1d...d5c8

 23.247 ETH



Franz Müllermann AG

[Details](#)

0xb074...714F

 2 ETH

Contract Overview

Balance: 6 Ether

More Info

My Name Tag: Not Available

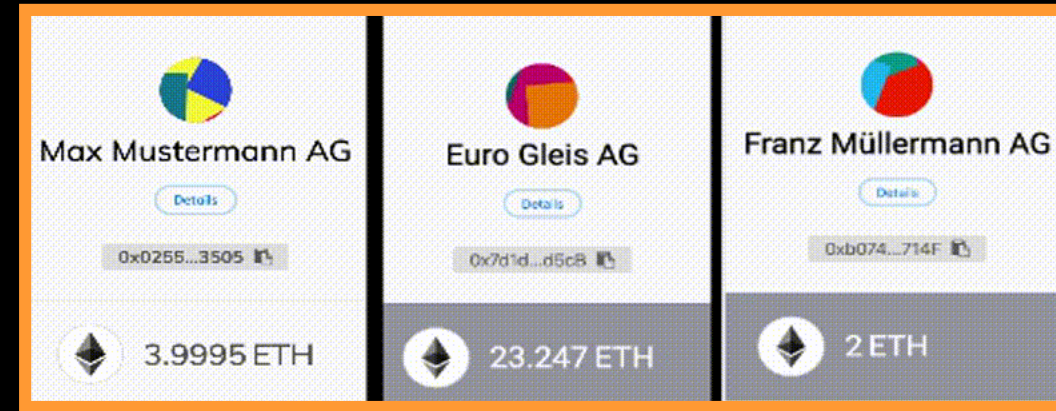
Contract Creator: [0x7d1df8c556329a...](#) at txn [0x4c9a65b57524f45...](#)

Transactions Internal Txns Contract Events

Latest 25 from a total of 27 transactions

Txn Hash	Block	Age	From		To	Value	[Txn Fee]
0xf35b09d8b09945...	5573461	16 mins ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	2 Ether	0.000132198
0xe6167433f799be4...	5573451	19 mins ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	0 Ether	0.000111832
0x51867466b3686c...	5555798	3 days 1 hr ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	0 Ether	0.000062104
0xf9b21452ad07a1...	5555796	3 days 1 hr ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	0 Ether	0.000025036
0x8206501c2f0952...	5555792	2 days 1 hr ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	1 Ether	0.000025036

AV. Commit



Contract Overview

Balance:

6 Ether

More Info

My Name Tag:

Not Available

Contract Creator:

0x7d1df8c556329a... at txn 0x4c9a65b57524f45...

Transactions

Internal Txns

Contract

Events

Latest 25 from a total of 28 transactions

Txn Hash	Block	Age	From		To	Value	[Txn Fee]
0x8590fad6b53e81...	5573531	2 mins ago	0x7d1df8c556329a...	IN	0x68df6b44e7411e...	0 Ether	0.000111832
0xf35b09d8b09945...	5573461	20 mins ago	0x7d1df8c556329a...	IN	0x68df6b44e7411e...	2 Ether	0.000132198
0xe6167433f799be4...	5573451	22 mins ago	0x7d1df8c556329a...	IN	0x68df6b44e7411e...	0 Ether	0.000111832
0x51867466b3686c...	5555798	3 days 1 hr ago	0x7d1df8c556329a...	IN	0x68df6b44e7411e...	0 Ether	0.000062104
0xf0b21452ed07e1...	5555798	2 days 1 hr ago	0x7d1df8c556329a...	IN	0x68df6b44e7411e...	0 Ether	0.000055888

AV. Set Winner



Max Mustermann AG

[Details](#)

0x0255...3505

 1.9994 ETH



Euro Gleis AG

[Details](#)

0x7d1d...d5cB

 22.2468 ETH



Franz Müllermann AG

[Details](#)

0xb074...714F

 0.9999 ETH

Contract Overview

Balance: 10 Ether

More Info

My Name Tag: Not Available

Contract Creator: [0x7d1df8c556329a...](#) at txn [0x4c9a65b57524f45...](#)

Transactions Internal Txns Contract Events

Latest 25 from a total of 30 transactions

Txn Hash	Block	Age	From		To	Value	[Txn Fee]
0x8bdd999e264908...	5573563	26 secs ago	0xb074ad5d685a3e...	IN	 0x68df6b44e7411e...	1 Ether	0.00011721
0xf8ad5e1a6f6a73c...	5573555	2 mins ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	1 Ether	0.000117198
0xa130a11e215707...	5573544	5 mins ago	0x02558a841414a6...	IN	 0x68df6b44e7411e...	2 Ether	0.00013221
0x8590fad6b53e81...	5573531	8 mins ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	0 Ether	0.000111832
0xf25b09d8b09945...	5573461	25 mins ago	0x7d1df8c556329a...	IN	 0x68df6b44e7411e...	2 Ether	0.000122122

Reveal

AV.



Rinkeby Testnet Network

All Filters

Search by Address / Txn Hash / Block / Token / Ens



Home

Blockchain

Tokens

Misc

Rinkeby

Contract 0x68DF6b44E7411e68487E16bC87B604b80BFdfa82



Sponsored: Tour de SOL Get involved in our incentivized testnet. [Register Now](#)

Contract Overview

Balance: 7 Ether

More Info

My Name Tag: Not Available

Contract Creator: [0x7d1df8c556329a...](#) at txn [0x4c9a65b57524f45...](#)

Transactions

Internal Txns

Contract

Events

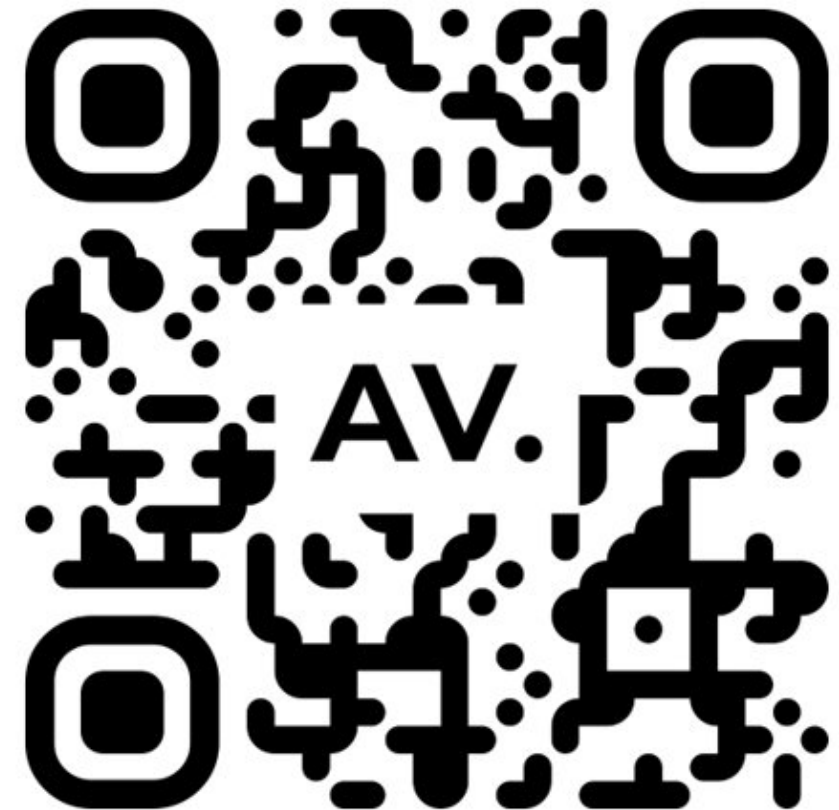
Latest 25 from a total of 33 transactions

Txn Hash	Block	Age	From	To	Value	[Txn Fee]
0xa91dc6f233c9b9...	5573570	1 min ago	0x7d1df8c556329a...	0x68df6b44e7411e...	0 Ether	0.000100504
0xc750aa1c610fb1d...	5573568	1 min ago	0x7d1df8c556329a...	0x68df6b44e7411e...	0 Ether	0.000044236
0x8bdd999e264908...	5573563	2 mins ago	0xb074ad5d685a3e...	0x68df6b44e7411e...	1 Ether	0.00011721
0xf8ad5e1a6f6a73c...	5573555	4 mins ago	0x7d1df8c556329a...	0x68df6b44e7411e...	1 Ether	0.000117198
0xa120e11e315707...	5573544	7 mins ago	0x02558e811111e6...	0x68df6b44e7411e...	2 Ether	0.000100504

Zusammenfassung

- ✓ Manipulationssicher
- ✓ Fairness
- ✓ Kosteneinsparung

Mehr Informationen:





BearingPoint®

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Vielen Dank!