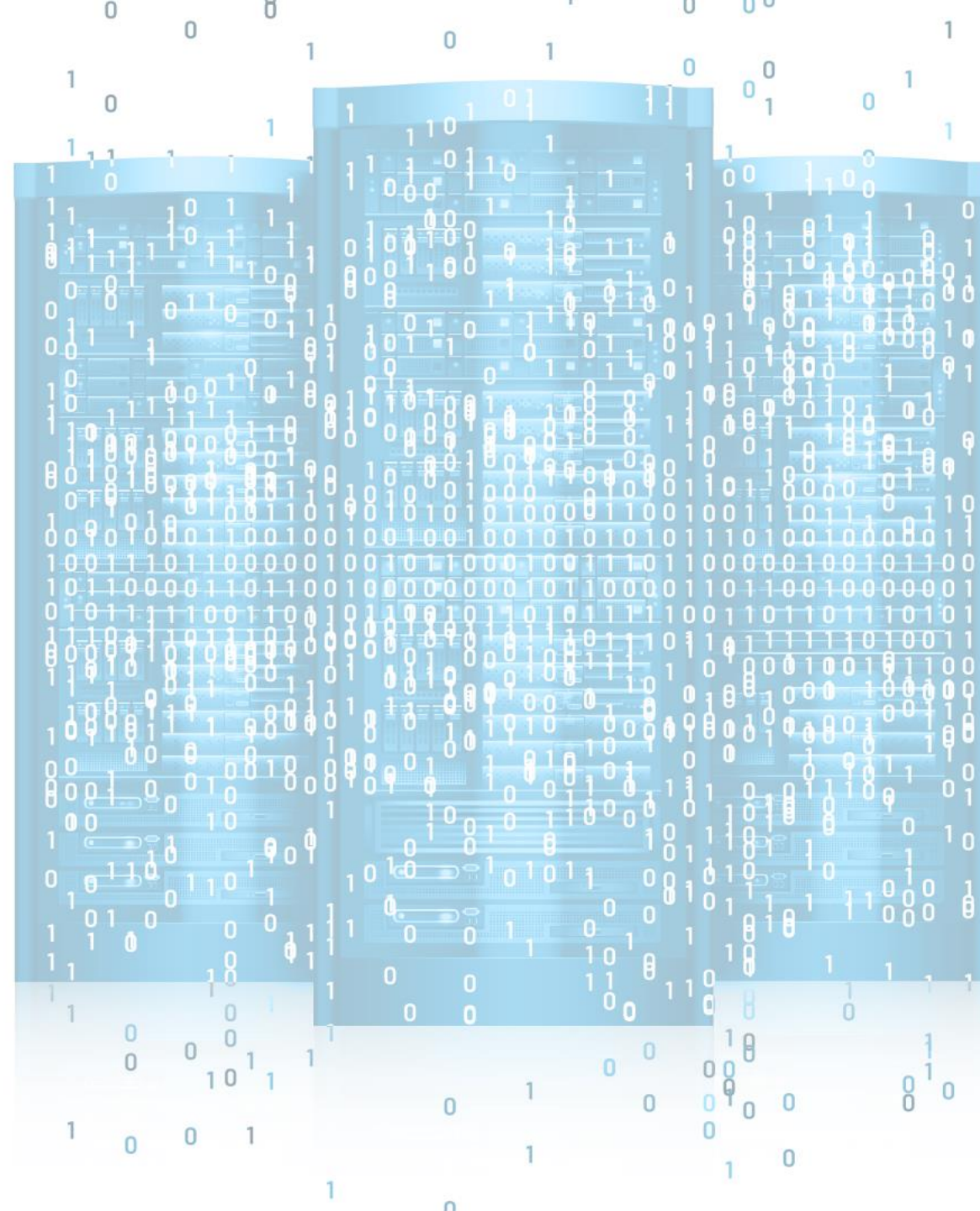


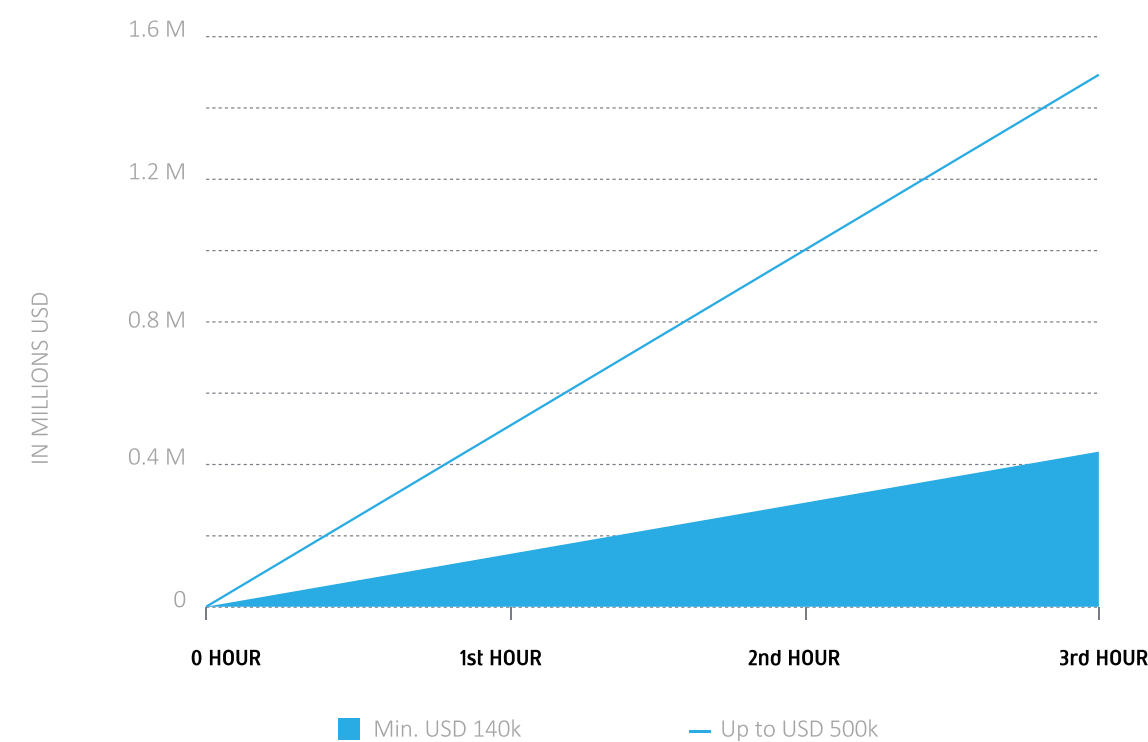
(Down) Time is money!

WHY DOES DATA CENTER CERTIFICATION MATTER?

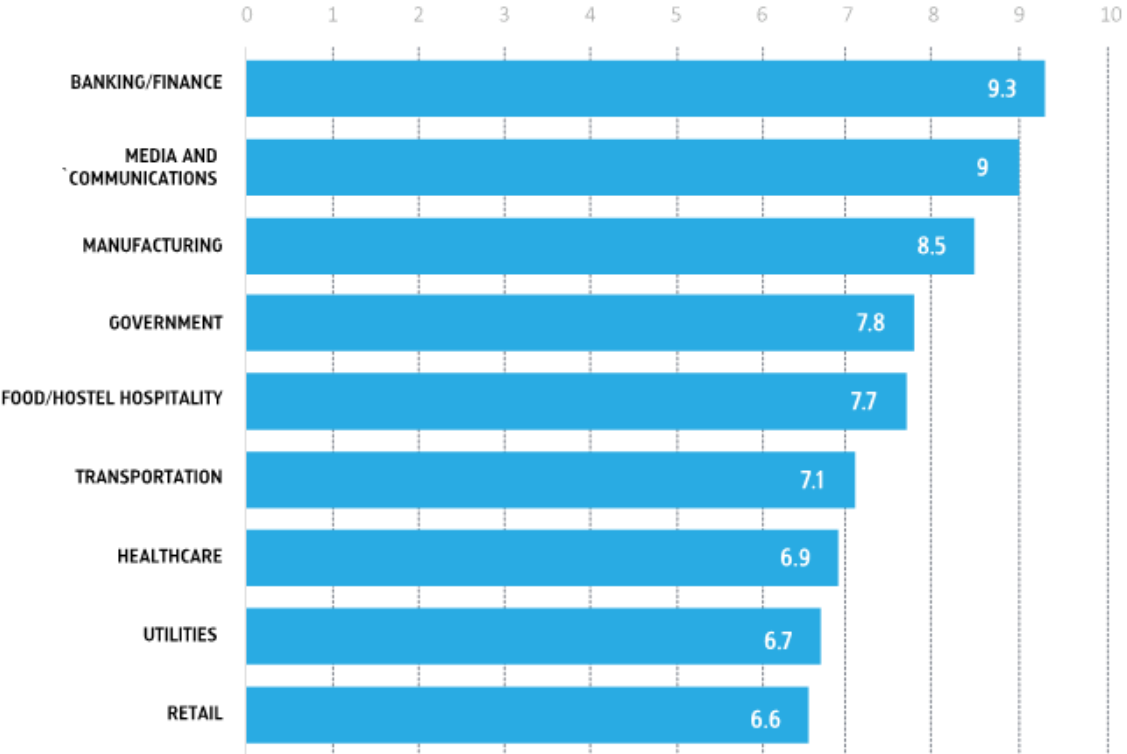


Average cost of downtime

Cost of downtime per hour*

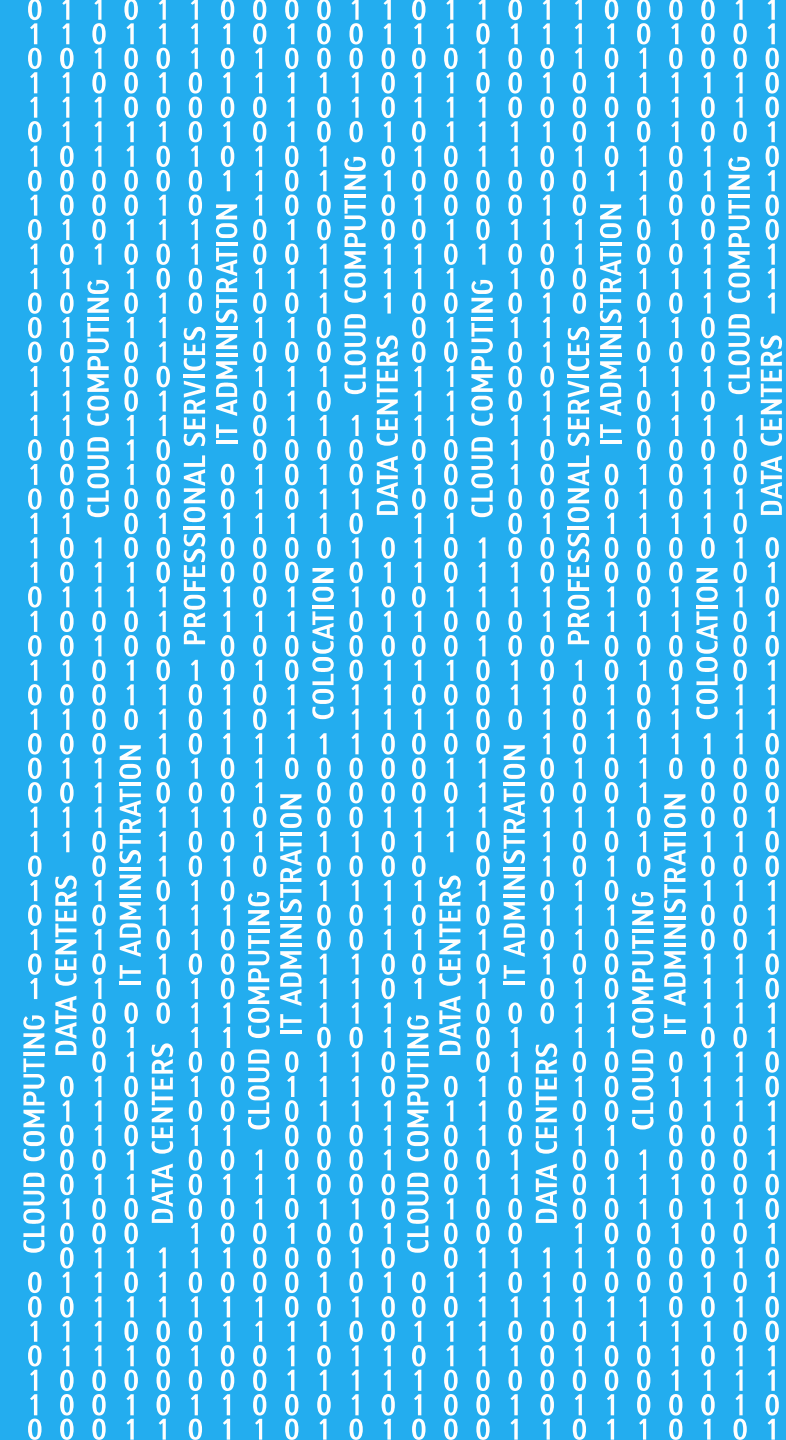


Cost of downtime per hour* by industry



* Source: ITIC 2017 Global Server Hardware, Server OS Reliability

With ever increasing
dependence of business value
on technology, the quality of
IT infrastructure supporting
and securing the proper
functioning of system
availability becomes critical.



1 in 3 companies are
willing to **pay more**
for certified data
centre services*

* Source: Data centre market in Poland 2020. Market analysis
and development forecasts for 2020-2025, PMR, 2020

But why?

Data center classification: why is it important?



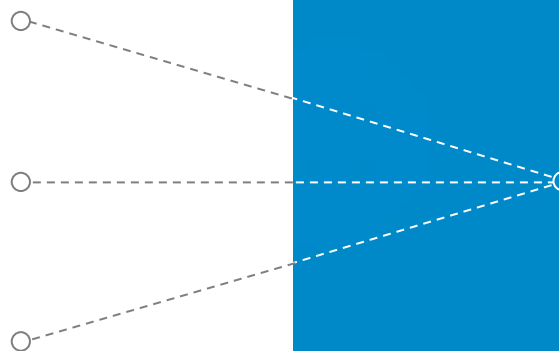
Highest uptime



Data security



Peace of mind



**WORTH
YOUR
INVESTMENT**

Data center certification: why it is important?











In the data center world, standards are an effective way to make the choice of the data center easier.

1 > Standards are transparent, require independent recurring audit process

2 > Standards enable for an easier selection of a data center provider








3 > Standards offer an objective classification based on reliability, safety and performance

Why is ANSI/TIA-942 recognized as the only true global certification process for data centers?

	YEAR OF INCORPORATION	1988	Rated 1-4 	1993	Tier I-IV 
	TYPE OF ORGANIZATION	Non-profit		Commercial	
	AUDIT PROCESS	ISO-based, fully transparent		Self-defined, not verifiable	
	METHODOLOGY	Normative, with reference guides		Performance confirmation test with operational impact list	
	AUDITORS	Independent professionals Auditors as per ISO definition		Uptime consultants only Engineers, not auditors as per ISO definition	
	COVERAGE	4 areas: telecommunications, electrical, architectural, and mechanical (TEAM); 2600 points verified		2 areas: electrical and mechanical	
	AUDIT DOCUMENTATION	Detailed, 134 pages		General, 12 pages	
	CERTIFICATION CYCLE	Re-certification audit after 3rd year		Issued for life, no re-certification	









* Based on USD 300K/h, source: ITIC 2017 Global Server Hardware, Server OS Reliability

ANSI/TIA Certification: Rated 1–4

LEVEL	RATED 1	RATED 2	RATED 3	RATED 4 DATA CENTER 2
 AVAILABILITY RATE	99.671%	99.749%	99.982%	99.995%
 DOWTIME/YEAR	max 28.8 h	max 22 h	max 1 h 36 min	max 26 min
 DOWNTIME VALUE*	USD 8.6 M/year	USD 6.6 M/year	USD 0.5 M/year	USD 0.1 M/year
 POWER	A single power supply, with no redundancy in either infrastructure or air conditioning	UPS: N+1 arrangement Single path generator: no redundancy	System allows current maintenance Generator: N+1	Fault tolerant generator 2N Resistance to the effects of almost all known physical events
 COOLING	No redundancy	Loss of electrical supply path or water supply could lead to a loss of cooling	Temporary loss or interruption of power/water supply can cause increase of temperature of critical equipment	Extended loss or interruption of power/water supply will not cause a loss of cooling of critical equipment
 TELECOMS	Single path using direct connections	Single path using fixed infrastructure with redundancy on the External Network Interface	Multiple redundant access provider services; redundant entrance room, backbone cabling and pathways	Redundant main and intermediate distribution areas; redundant horizontal cabling and pathways
 BREAKDOWNS	Total shut down required for preventive maintenance and repairs, severe consequences in case of a system failure	Unexpected shutdown will affect the system	Spontaneous failures can lead to interruptions	Spontaneous failures do not interfere with operability and accessibility

* Based on USD 300K/h, source: ITIC 2017 Global Server Hardware, Server OS Reliability

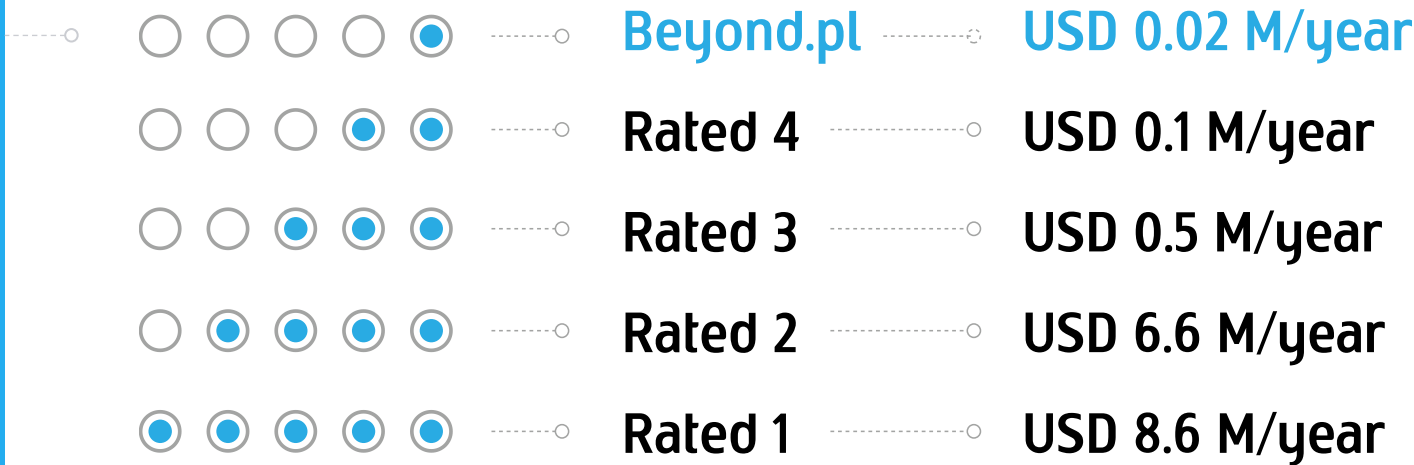
Rated 3 vs. Rated 4: small gap, big difference.

LEVEL	RATED 3	RATED 4 DATA CENTER 2	
 AVAILABILITY RATE	99.982%	99.995%	
 DOWNTIME/YEAR	max 1 h 36 min	max 26 min	
 DOWNTIME VALUE*	USD 0.5 M/year	USD 0.1 M/year	
 POWER	System allows current maintenance Generator: N+1	Fault tolerant generator 2N Resistance to the effects of almost all known physical events	
 COOLING	Temporary loss or interruption of power/water supply can cause increase of temperature of critical equipment	Extended loss or interruption of power/water supply will not cause a loss of cooling of critical equipment	
 TELECOMS	Multiple redundant access provider services; redundant entrance room, backbone cabling and pathways	Redundant main and intermediate distribution areas; redundant horizontal cabling and pathways	
 BREAKDOWNS	Spontaneous failures can lead to interruptions	Spontaneous failures do not interfere with operability and accessibility	

* Based on USD 300K/h, source: ITIC 2017 Global Server Hardware, Server OS Reliability

Attributing value to downtime*

Downtime incidents
can be a killer to customer
trust and loyalty.
Penalties or damages
can deal a significant
financial blow even
to major market players.



* based on USD 300K/h, source: ITIC 2017 Global Server Hardware, Server OS Reliability

Beyond.pl guarantees top level security levels being the first facility in the EU and only in Central Europe certified ANSI/TIA-942 Rated 4



- Beyond.pl Data Center 2 certified in 2017
- Recertified in 2020
- Rated 4 confirmed for Design, Build, and Operate
- Genuine certification in all four areas:
 - architecture
 - mechanics
 - power supply
 - telecommunications

Beyond.pl operates core and edge data centers in Poland.

A 42MW multi-tier campus is located in Poznan, 300 km from Warsaw and Berlin, and two hyper-edge Data Centers are based in Poznan and Warsaw.

- End-to-end offer: colocation, cloud and managed services.
- State-of-the-art security of design, mechanical engineering, power and telecommunications.
- Up to 99.9999% uptime: max. 31 sec. of downtime per year.
- Low latency & carrier neutrality: superb global network connectivity.
- Power density: up to 30kW rack.
- Energy efficient & low PUE 1.2: 100% green power.
- Customer service and support: Microsoft HoloLens 2 technology for real-time access to infrastructure.
- Capacity and readiness to grow with clients: scale quickly!

Choose certified quality & security for business continuity.

Contact us:



beyond.pl/en



contact@beyond.pl