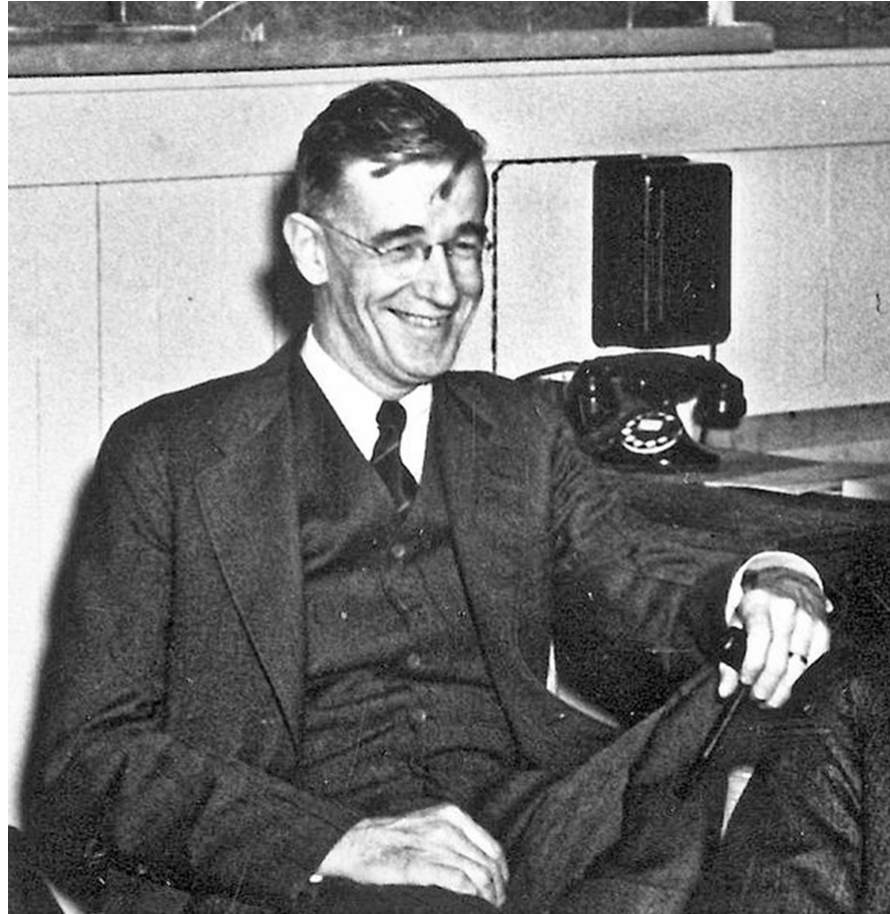


Threading the Innovation Chain

- David Adler (American Affairs)
- Melik Demirel (Penn State)

US Innovation System: quick history





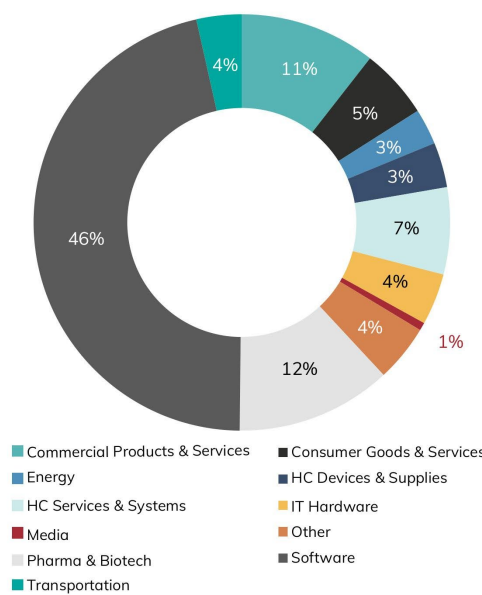
Data provided by
 PitchBook

2024 Top States by VC Capital Raised

	# of Funds	Capital Raised (\$M)
California	197	\$43,075.7
New York	93	\$14,984.7
Massachusetts	26	\$6,190.0
Illinois	24	\$4,712.2
Texas	35	\$1,344.6
Florida	27	\$1,300.2
Washington	12	\$1,017.5
Virginia	9	\$742.6
Nevada	3	\$472.0
New Jersey	4	\$449.5
North Carolina	3	\$333.0
Colorado	5	\$325.2
District of Columbia	3	\$281.1
Georgia	7	\$264.8
Connecticut	6	\$256.9
Delaware	4	\$152.4
Wisconsin	5	\$143.5
Indiana	1	\$125.0
Montana	1	\$102.0
Michigan	3	\$100.0
Arizona	1	\$85.0
Ohio	6	\$81.0
Pennsylvania	1	\$50.0
Tennessee	2	\$38.1
Kentucky	1	\$33.0

Source: NVCA 2025 Yearbook, Data provided by PitchBook

2024 US VC Deals by Sector (\$B)



Source: NVCA 2025 Yearbook, Data provided by PitchBook

*Other industry groups below:

Commercial Products, Commercial Transportation, Other Business Products and Services, Consumer Durables, Consumer Non-Durables, Services (Non-Financial), Transportation, Other Consumer Products and Services, Utilities, Other Energy, Capital Markets/Institutions, Commercial Banks, Insurance, Other Financial Services, Other Healthcare, IT Services, Other Information Technology, Agriculture, Chemicals and Gases, Construction (Non-Wood), Containers and Packaging, Forestry, Metals, Minerals and Mining, Textiles, Other Materials

Advanced Manufacturing Capital Requirements

TRL 1–3: \$1 million, basic science/innovation

TRL 4–7: \$10 million, valley of death

TRL 8–9: \$100 million, factory scale

Introducing PRL

POLICY READINESS LEVELS

- **State Capacity**

Institutional depth and technical knowledge

- **Political Readiness Level**

Are politicians ready to embrace and implement the policy?

- **Public readiness levels.**

Media support? Received wisdom?

PRL (continued)

PRL 1: Think tank White Paper. Journal article.

PRL 2-3: Actual plan

PRL 4-7: Governmental buy-in but not implemented at scale

- PRL 4: state level (US)
- PRL 5: multi state level (US)
- PRL 6-7: Federal Government (US) pilot

PRL 8-9: Federal Government Policies implemented at scale

PRL VALLEY OF DEATH

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