

Failure: Show stopper or Stepping Stone (Innovation Lessons from failure)



Sanjay Dhall

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A photograph of an astronaut in a white spacesuit standing on the dark, cratered surface of the moon. The astronaut is positioned in the center-right of the frame, facing slightly left. In the background, the lunar module is visible, with its complex structure and various equipment. The horizon is flat and dark, with a few small craters visible. The overall scene is illuminated by bright sunlight, creating sharp shadows.

**I think we're going to the moon because it's in man's nature...
we're required to do these things just as Salmom swim upstream
– Neil Armstrong**



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Setback !



Failure to grasp the opportunity to be first again with intelligent enthusiasm - Winston Churchill



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Liability of Engineers

- .. cannot bury his mistakes like doctors,
- .. cannot like the lawyer argue them or blame the judge
- .. cannot blame his opponents like politicians
- ...
- .. Simply cannot deny he did it!

His works are out in the open for all to see.

If his works do not work, he is damned... !!!

et his works are out in the open
ere all can see them. His acts, step
by step, are in hard substance. He
cannot bury his mistakes in the grave
like the doctors. He cannot argue them
into thin air or blame the judge like
the lawyers. He cannot, like the
architects, cover his failures with trees
and vines. He cannot, like the
politicians, screen his shortcomings by
blaming his opponents and hope the



Reactions

- Social media barrage...
- Supporters
- Redeeming aspects

“The extent of the struggle determines the extent of the growth.” – Ryan Holiday

The Stoic philosophy

PREFACE

Rusticus, Epictetus, Seneca, Musonius Rufus.
It is more than enough for us.

Our actions may be impeded . . . but there can be no impeding our intentions or dispositions. Because we can accommodate and adapt. The mind adapts and converts to its own purposes the obstacle to our acting.

And then he concluded with powerful words destined for

*The impediment to action advances action.
What stands in the way becomes the way.*

In Marcus's words, the secret to an art known as *turning obstacles upside down*. To act with “a reverse clause,” so that

Tranquility Storms



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Code of Hammurabi - 1754 b.c.

- If a builder builds a house for someone, and does not construct it properly and the house falls in and kills its owner, **then that builder shall be put to death.**

Skin in the game



Picking up the pieces

- Take a break! Really!!!
- Its restorative and therapeutic!



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Lesson – Looking back

- Understanding dawns!
- Factors that were ignored
 - 1954 Fatigue in Comet

You Suffer your way to wisdom – David Brooks

Copyright Trevor Friend



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Slow and Fast risk



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Lesson – pay close attention to dissenting voices



Caution or Convention?

Successful outcomes following failure!

... decades of experience defying ... we've ever had in my 45 years ... tablishment. She said had ... In 1994, during the worst ... and pre

OBITUARIES

GARY BURRELL
1932 - 2019

Garmin Founder Put GPS At People's Fingertips

By Patrick McGonigley

The explosion of the Challenger space shuttle led Gary Burrell to risk his retirement savings to make GPS devices for consumers.

Mr. Burrell was working at AlliedSignal Inc.'s King Radio subsidiary in Olathe, Kan., when Challenger exploded a minute after its launch in 1986, killing all seven people on board. The shuttle was also carrying two global-positioning satellites.

The loss slowed work on GPS technology at King Radio and elsewhere. Mr. Burrell and an engineer on his team, Min Kao, left to found their own GPS-product company in 1989. They called it Garmin Ltd., a portmanteau of



with the hand-held and wearable

shared Mr. Burrell's conviction that the navigational technology they were building could be used to improve many aspects of daily life.

Four of the first nine people they hired still work at Garmin. When Garmin went public in 2000, Mr. Burrell wrapped Mr. Kao in a bear hug on the floor at Nandaq.

"His vision, values, engineering skills and commitment to serving our customers have been the foundation for the growth of our company," Mr. Kao said this week.

Garmin employees said that as a boss, Mr. Burrell was as disarming as he was inspiring. He showed up on the factory floor on weekends to install circuit boards, and helped colleagues carry their

Roll From

David Arnold was delivered to the Volvo to the Motor Show in 1967 by as one of British industrialists began conversation with counterpart over the driver offered his latest model.

Mr. Plastow as year later he joined as a Scotland and land representative more than a decade through the rank the age of 38, he maker's managing same year the co bankrupt.

Mr. Plastow was hired as the man

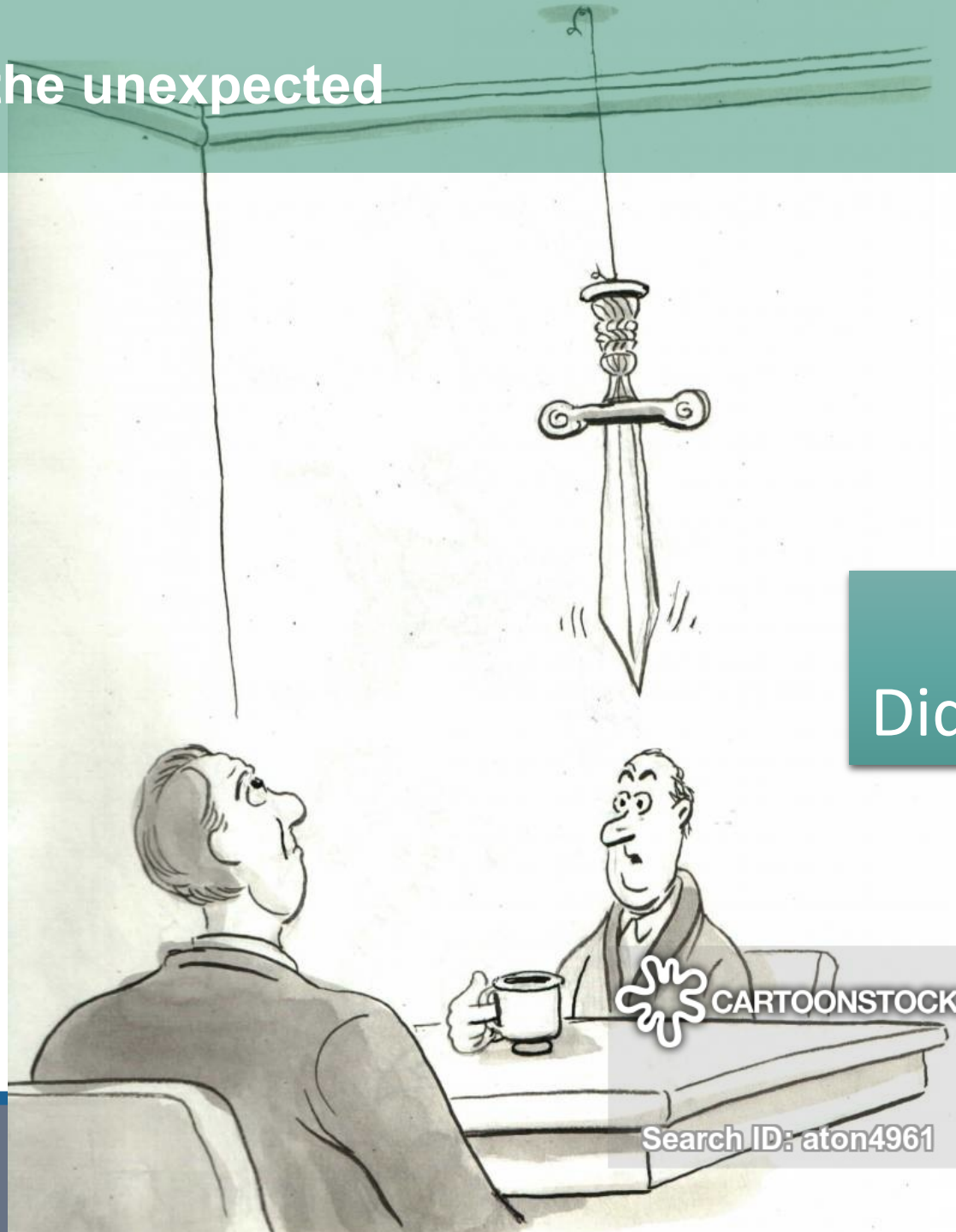
Wright Brothers' crash 1908



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Lesson - Expect the unexpected



Damocles?
Did I sit in the wrong chair?

CARTOONSTOCK

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Vaccine – Live to fight another day!

- Safety shmafety!

Prepare for uncertainty
How to know Balance?



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Failure will catch you by surprise!



Today's peaceful conditions are no guarantee of tomorrow's...

The Incumbency challenge



Timely change – Is it possible?



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Lesson – Be patient - Live to fight another day!



For he who fights and runs away May live to fight
another day; But he who is in battle slain Can
never rise and fight again.

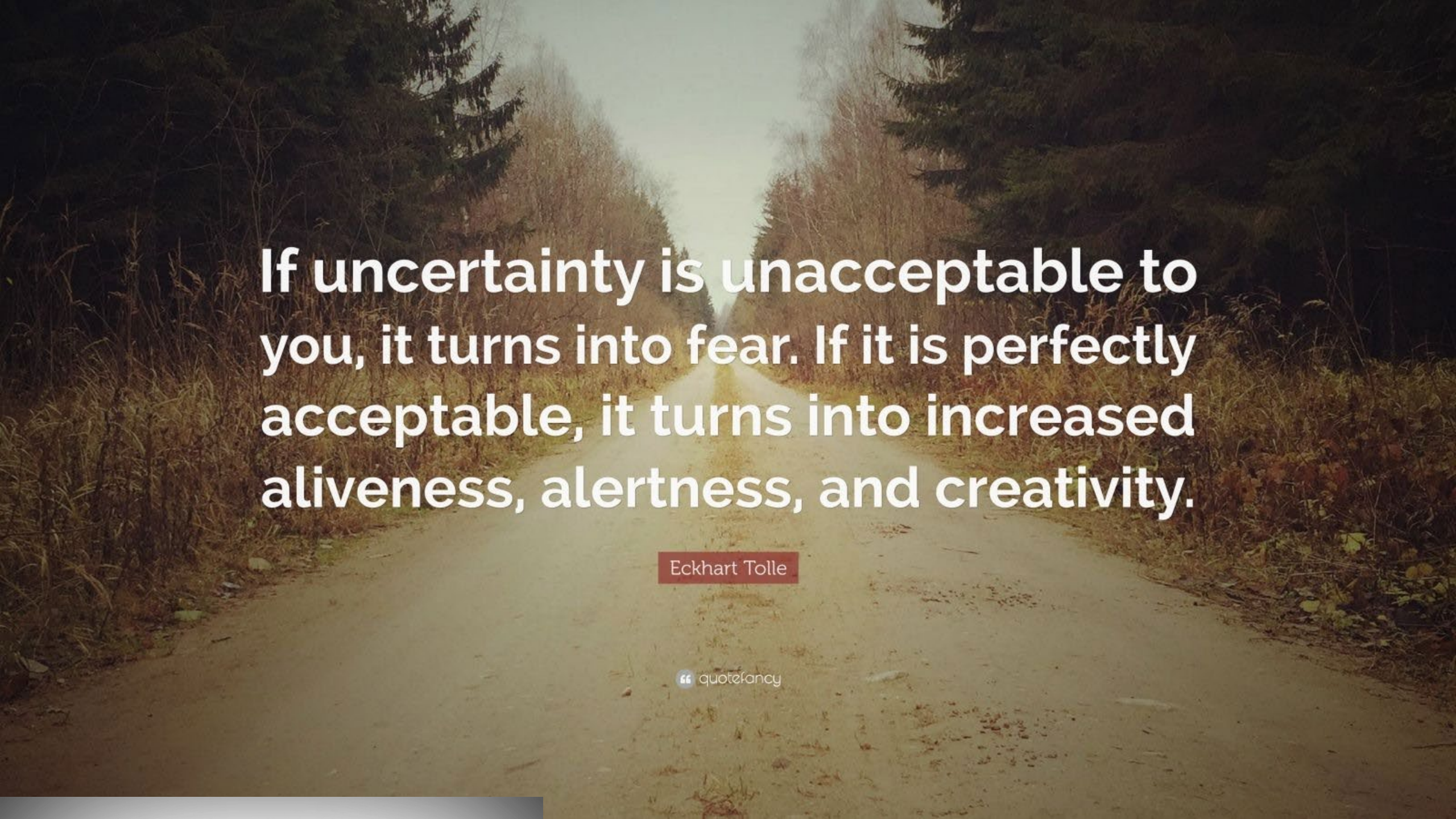
(Samuel Butler (poet))

izquotes.com



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If uncertainty is unacceptable to you, it turns into fear. If it is perfectly acceptable, it turns into increased aliveness, alertness, and creativity.

Eckhart Tolle

“ quote fancy

Alert ... Alive

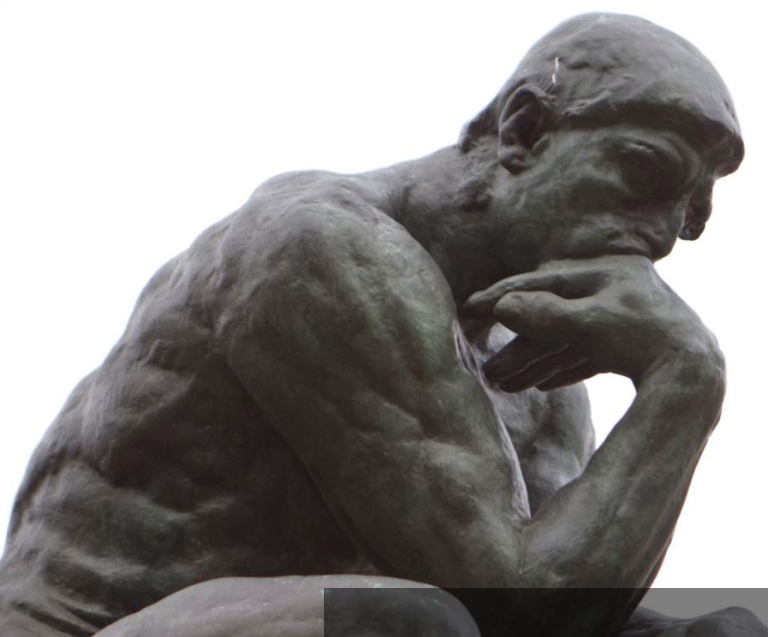


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Lesson – A finer balance – thinking vs doing!

prospection -vs- retrospection



Planning -vs- Improvization



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Lesson - Don't be a "Lone-ranger"

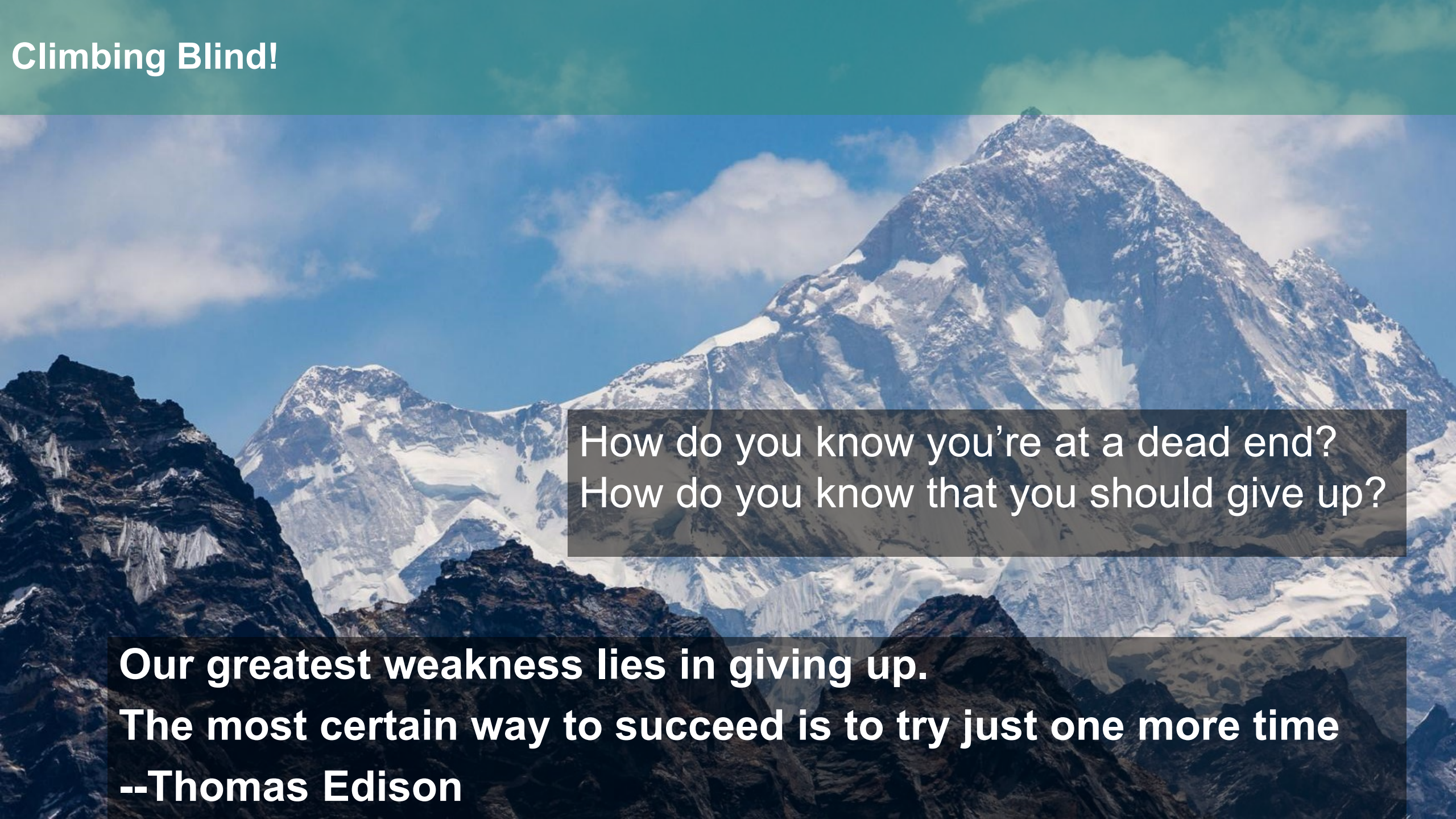
Small Stable team



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Climbing Blind!



How do you know you're at a dead end?
How do you know that you should give up?

**Our greatest weakness lies in giving up.
The most certain way to succeed is to try just one more time
--Thomas Edison**

The path of innovation

*The Birth of **NETFLIX** and
the Amazing Life of an Idea*

That Will **NEVER** Work

MARC RANDOLPH

CO-FOUNDER AND FIRST CEO OF NETFLIX

Nature – the “Improviser”



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...and miles to go before I sleep



Failures are rest stops on the road trip of innovation



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