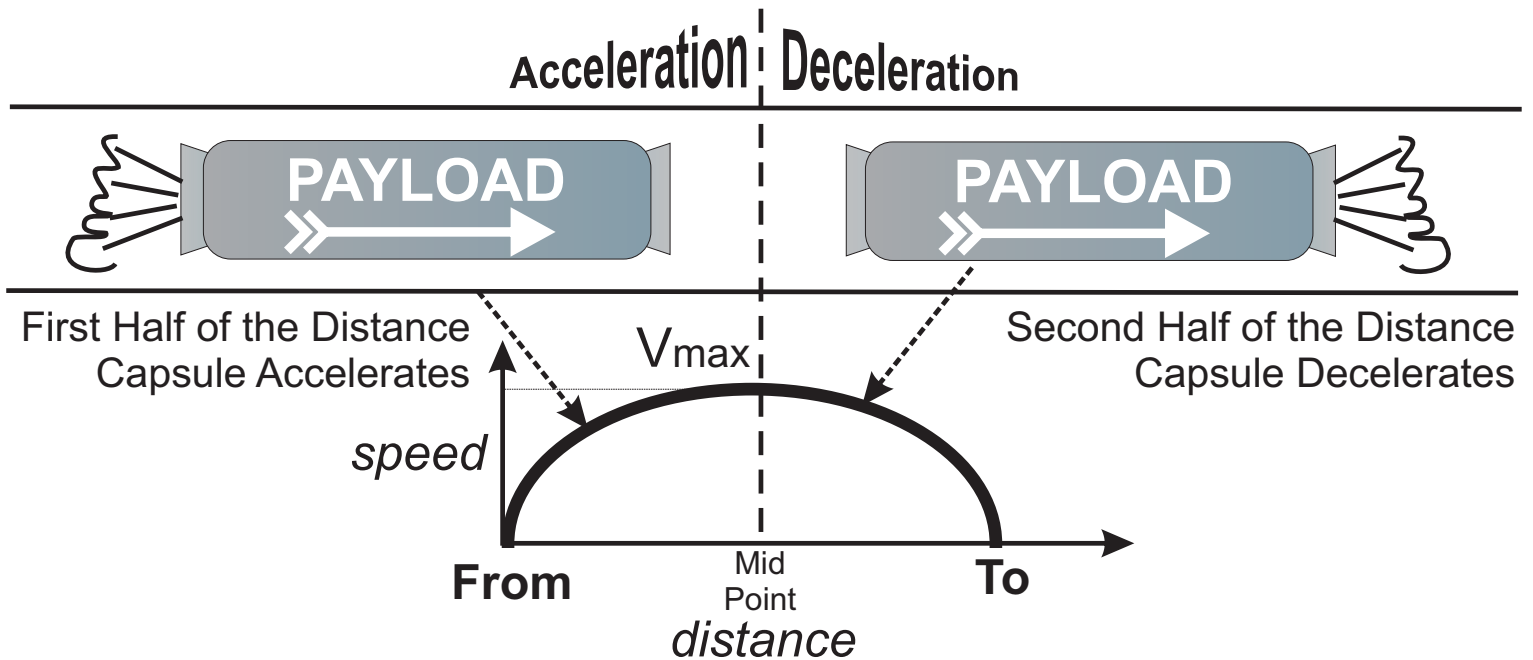


ADHOC

Transport Concept

Under Evaluation

Acceleration/Deceleration Horizontally Operated Capsule



Uniform Acceleration for half the trip, followed by uniform Deceleration for 2nd half, doubles travel time when distance quadruples. A tube-traveling capsule may safely momentarily reach top speed at mid-point, subject to comfortable fixed acceleration/deceleration throughout the trip. Cargo, and perhaps even people transport that becomes relatively faster for longer distances.

For acceleration/deceleration = 10% of gravity

miles	travel time (hrs)	Average Speed (MPH)
100	0.22	455
250	0.35	714
500	0.50	1000
1000	0.71	1408
3000	1.23	2439

$$\left\{ \begin{matrix} \text{Time of} \\ \text{Travel} \end{matrix} \right\} \propto \sqrt{\left\{ \begin{matrix} \text{Distance of} \\ \text{Travel} \end{matrix} \right\}}$$

Normally Time of Travel is Proportional to Distance of Travel

D&G Sciences – Innovation Productivity Corporation, is preparing an R&D Budget Estimate for this ADHOC concept, including a prototype testing facility. We are interested in quotes from manufacturing shops, and from testing facilities, as well as an independent feasibility evaluation. Interested parties are invited to contact Prof. Gideon Samid, PhD, PE (Gideon@DGSgo.com) 571.214.9814 P.O.Box 1022 McLean, VA 22101-1022

D&G Sciences – Innovation Productivity Corporation specializes in appraising the resources (cost, time, talent, facilities) required to achieve an R&D objective, as well as developing Innovation Acceleration Methodologies