



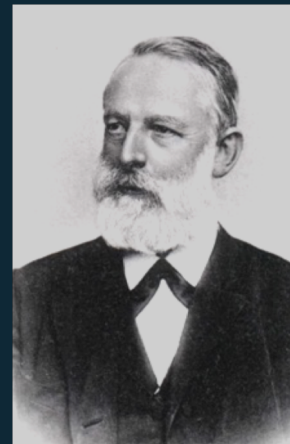
Framing Business Problems as ML Problems

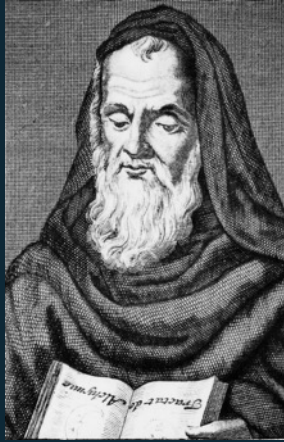
Carlos Escapa, Global Lead AI/ML Consulting Practice

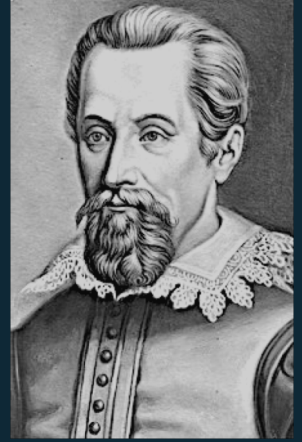
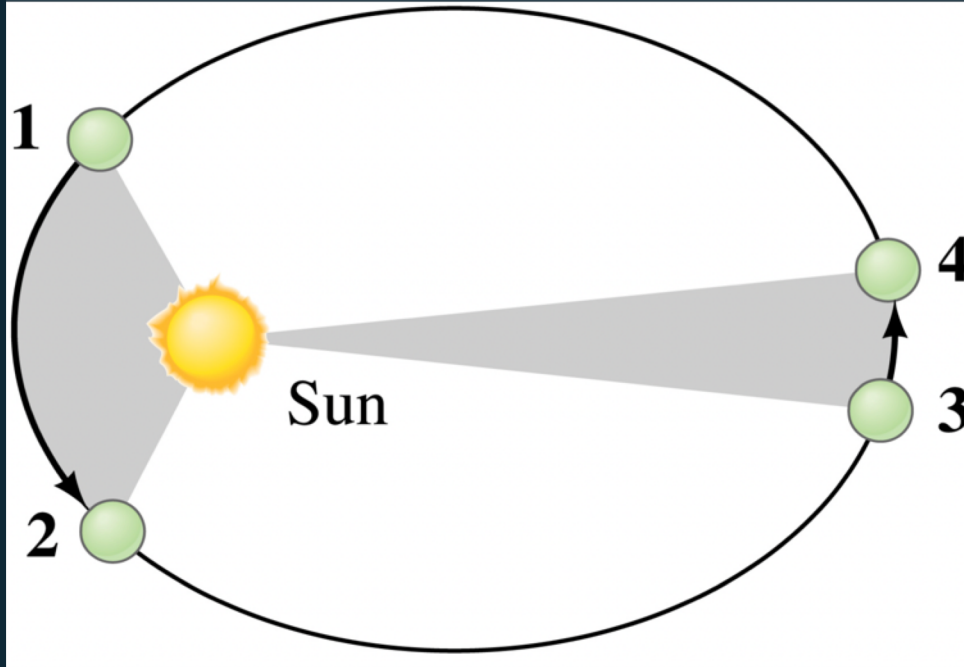




I							Transition series		
H 1.01	II	III	IV	V	VI	VII	VIII		
Li 6.94	Be 9.01	B 10.8	C 12.0	N 14.0	O 16.0	F 19.0			
Na 23.0	Mg 24.3	Al 27.0	Si 28.1	P 31.0	S 32.1	Cl 35.5			
K 39.1	Ca 40.1		Ti 47.9	V 50.9	Cr 52.0	Mn 54.9	Fe 55.9	Co 58.9	Ni 58.7
Cu 63.5	Zn 65.4			As 74.9	Se 79.0	Br 79.9			
Rb 85.5	Sr 87.6	Y 88.9	Zr 91.2	Nb 92.9	Mo 95.9		Ru 101	Rh 103	Pd 106
Ag 108	Cd 112	In 115	Sn 119	Sb 122	Te 128	I 127			
Ce 133	Ba 137	La 139		Ta 181	W 184		Os 194	Ir 192	Pt 195
Au 197	Hg 201	Tl 204	Pb 207	Bi 209					
			Th 232		U 238				







$$F = G \frac{m \times m'}{d^2}$$



Machine Learning \neq Software Development



Different way to solve problems:

Research then development

Bad data \rightarrow useless models

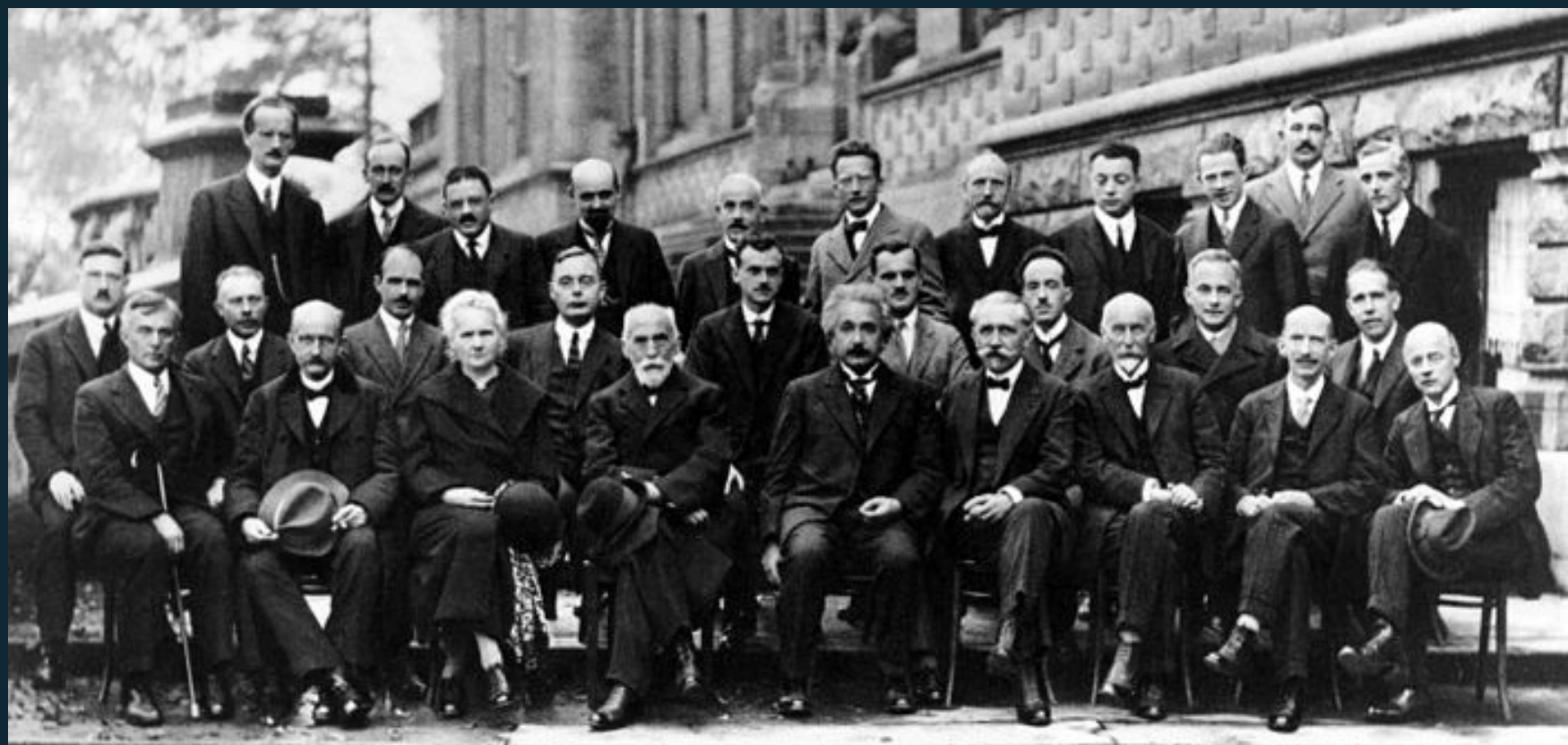
ML Models are a new type of object:

Precision and relevance change over time

Non-deterministic

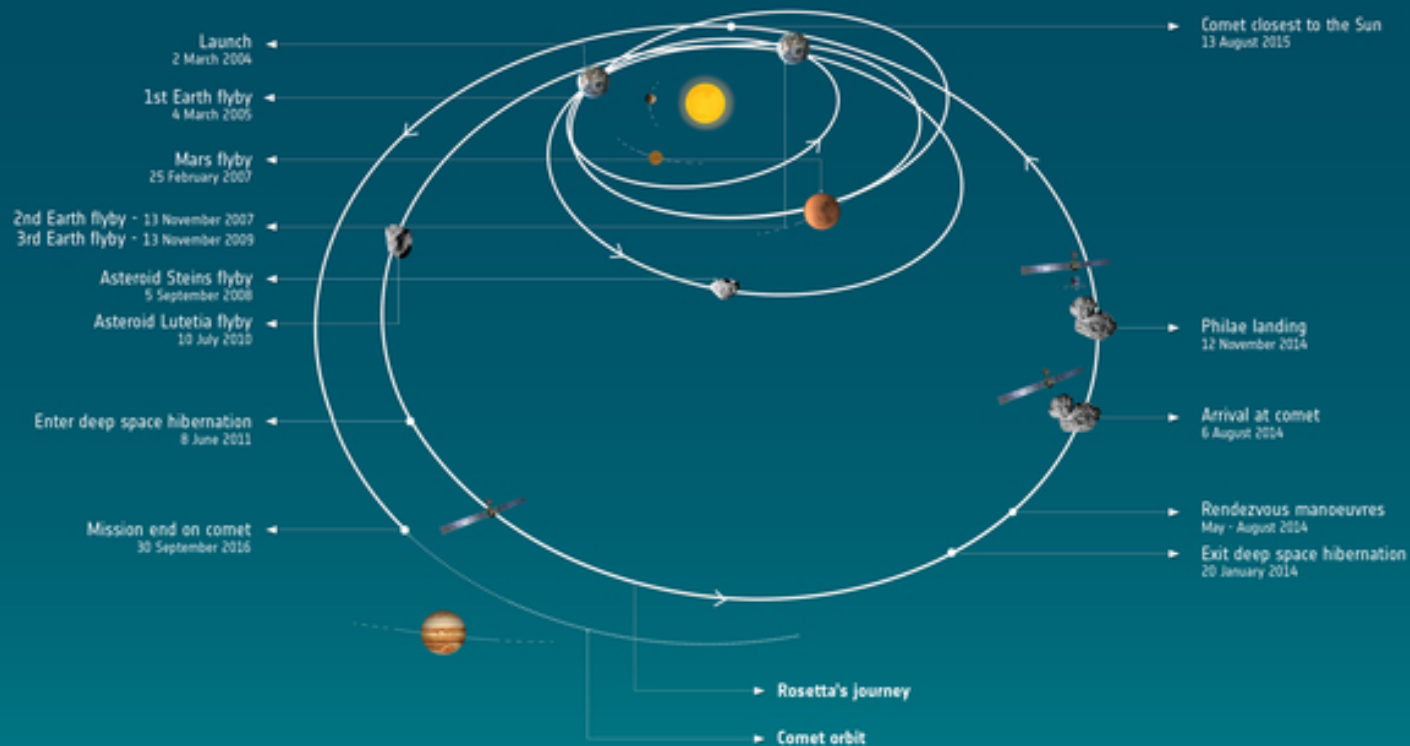


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  {"Name": "Sport", "Conf": 87.73 },  
  {"Name": "Football", "Conf": 77.76},  
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  "CelebrityFaces": [  
    { "Urls": [ "www.imdb.com/... " ], "Name": "Lionel Messi", "Conf": 65.89 } ]  
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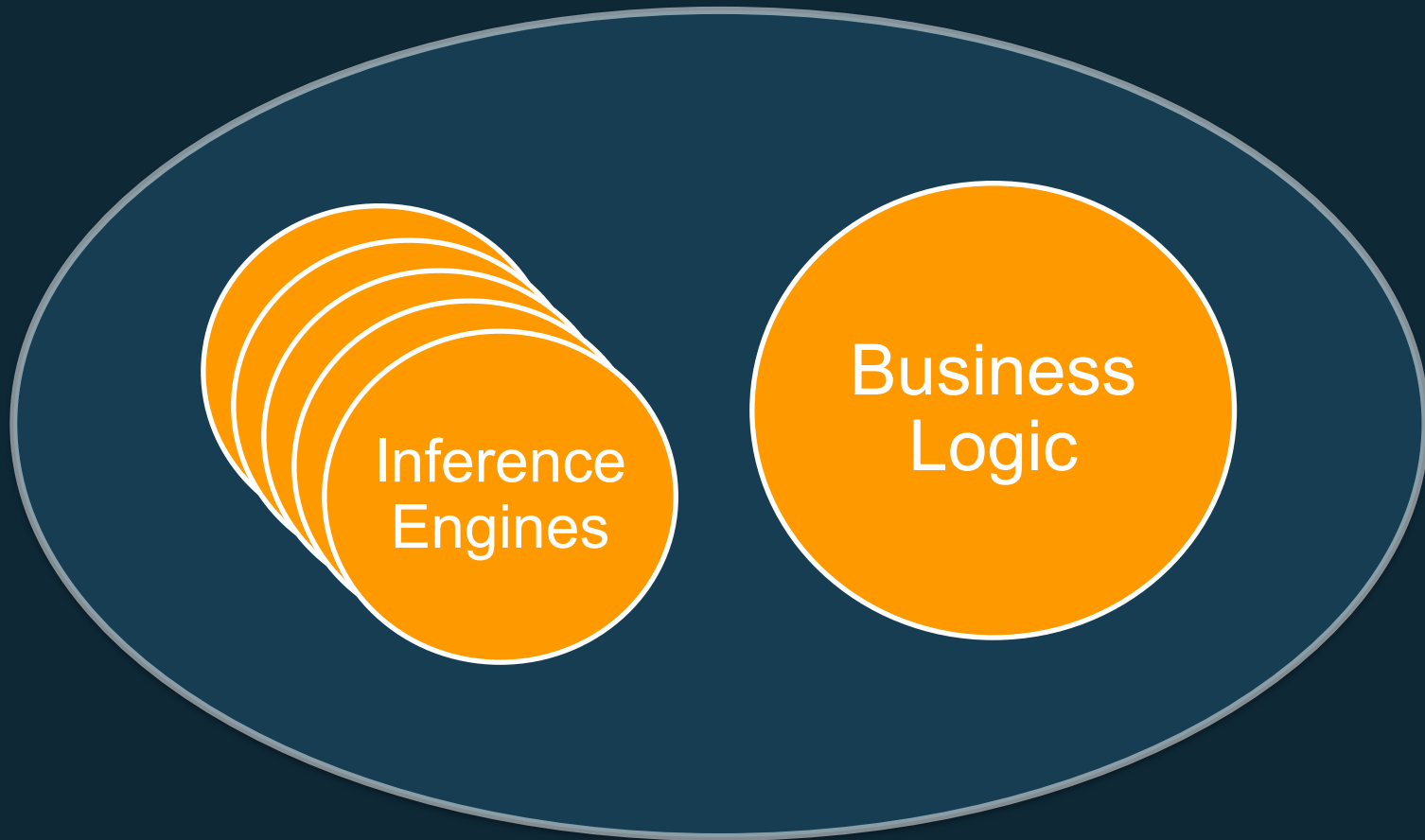


→ ROSETTA'S JOURNEY 2004-16

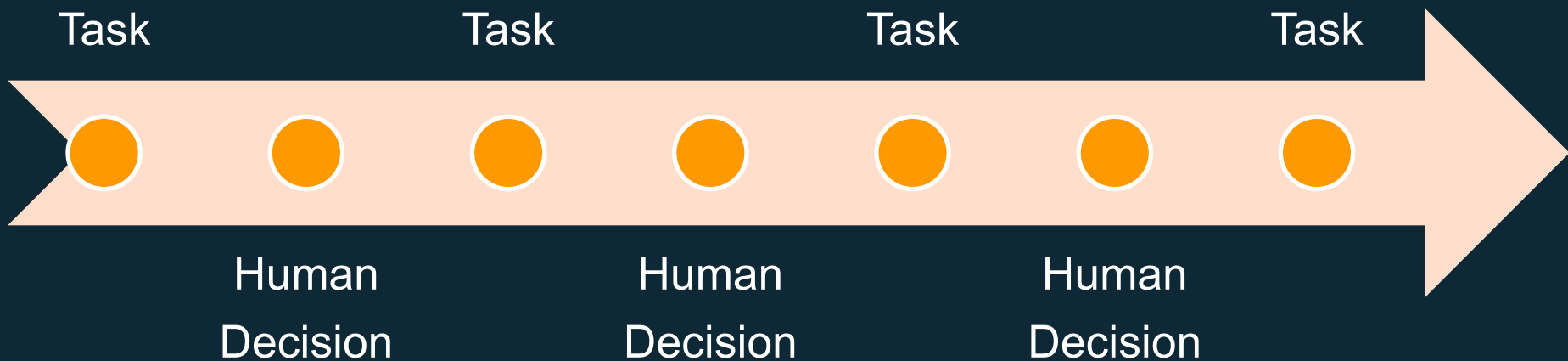




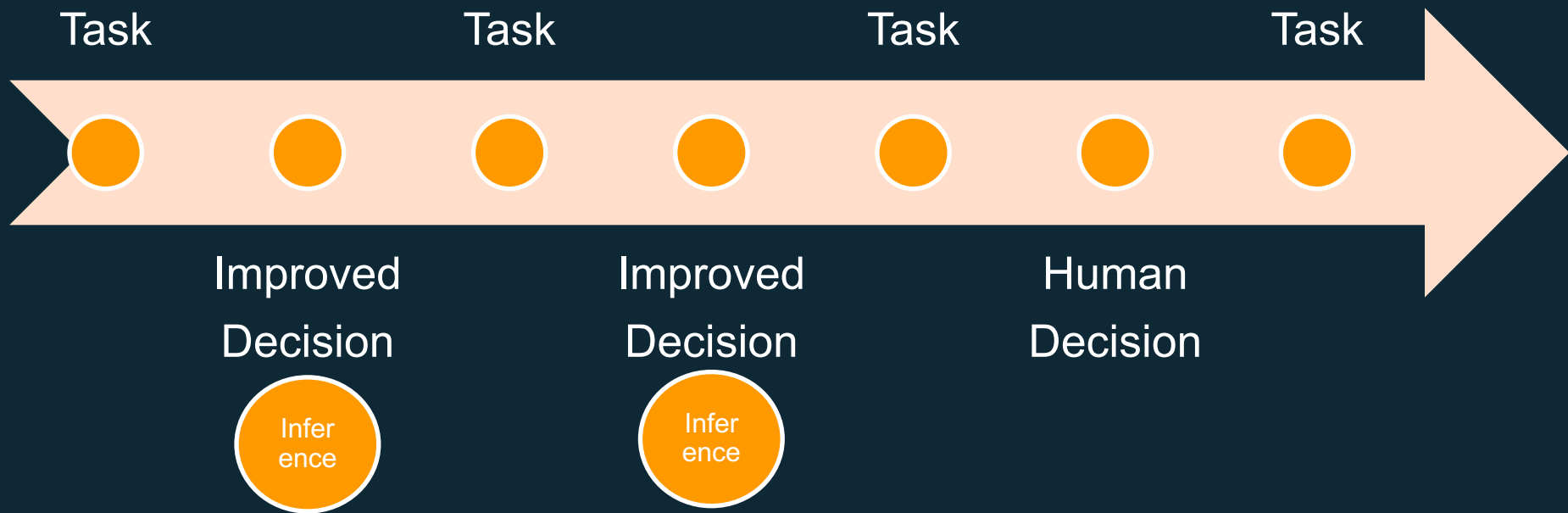




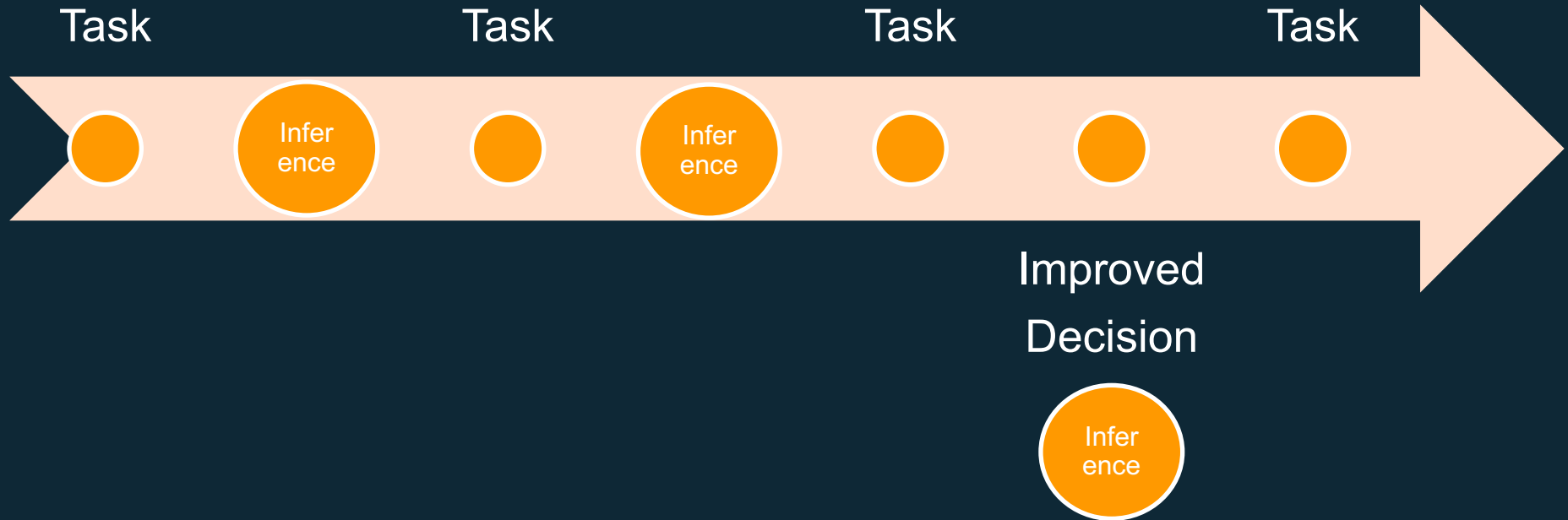
Workflow Deconstruction



Improved Workflow



Improved and Automated Workflow







ALL WOMEN MEN YOUR SAVES



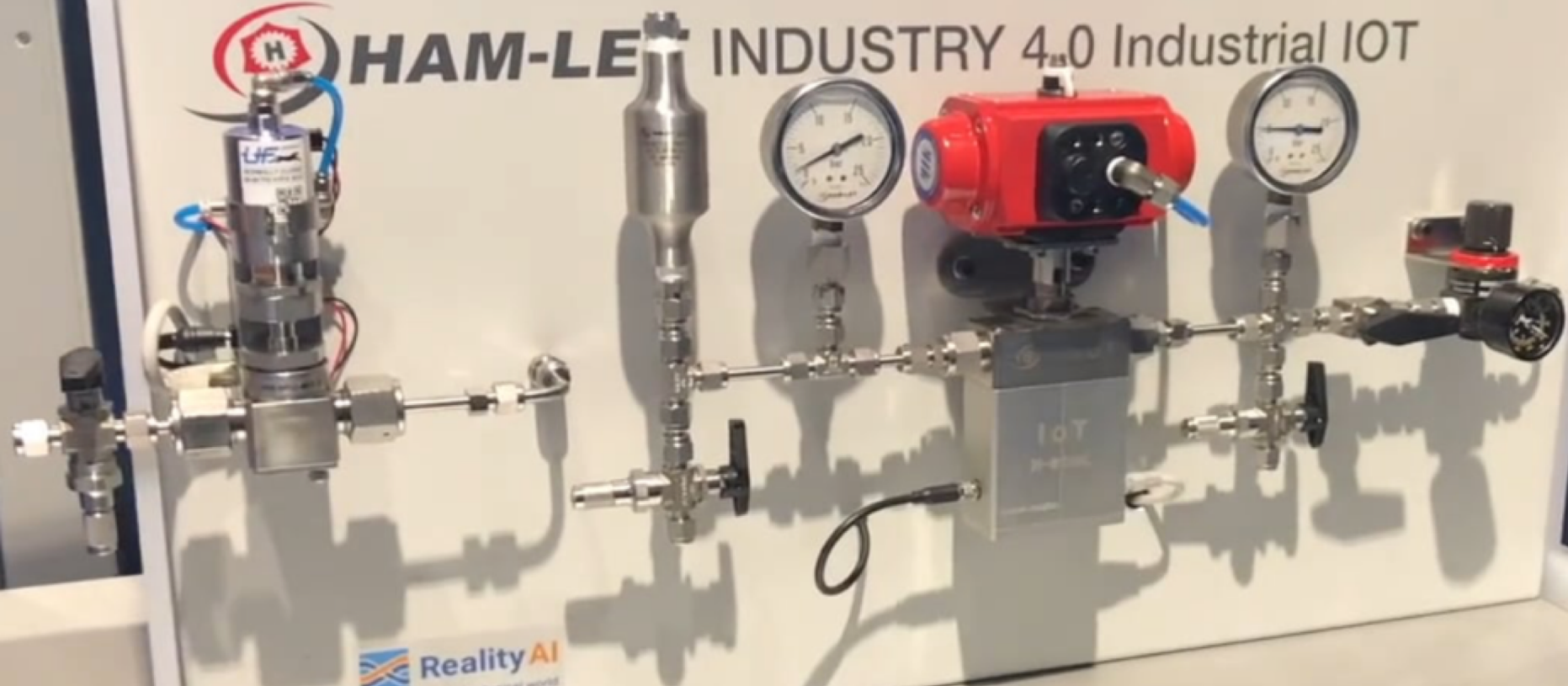



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AI SERVICES



ML SERVICES



ML INFRASTRUCTURE



Thank you for your attention