



**Dan Crick**  
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# outline

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- about me
- what does TTP do?
- some similarities and differences with academia
- what is TTP looking for in an employee

# What does TTP do?

Drug Delivery +



Communications +



Life Science +



Medical Devices +



Consumer products +



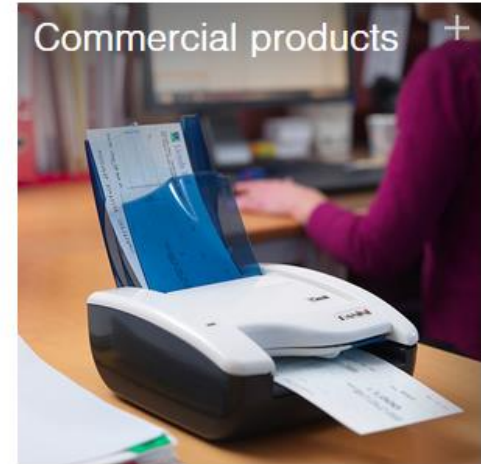
Industrial +



Printing +



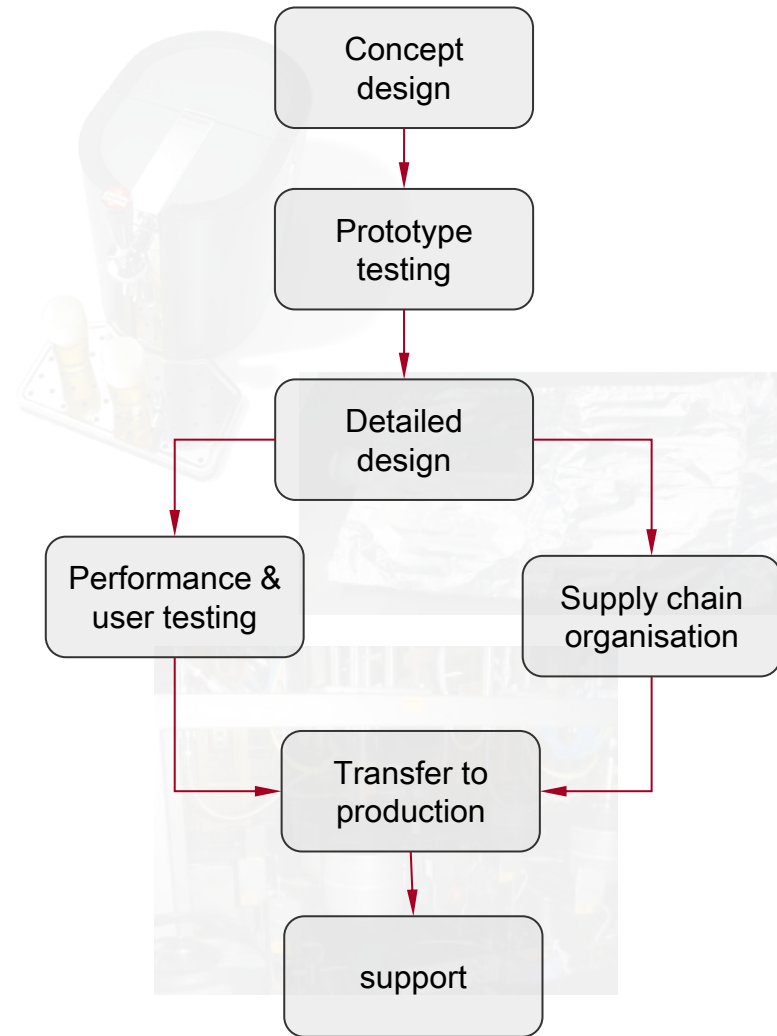
Commercial products +



# Perfect Draft



- home draft beer system developed for In Bev
- appliance, packaging & filling
- blank page to product launch in 30 months
- First 2 years: 15 beers, 300k units, 4M kegs, 57% of European market



# Example project: Chemunex ChemScan

ChemScan is a laser scanning system capable of finding, within minutes, a single living bacterium in a cup full of liquid

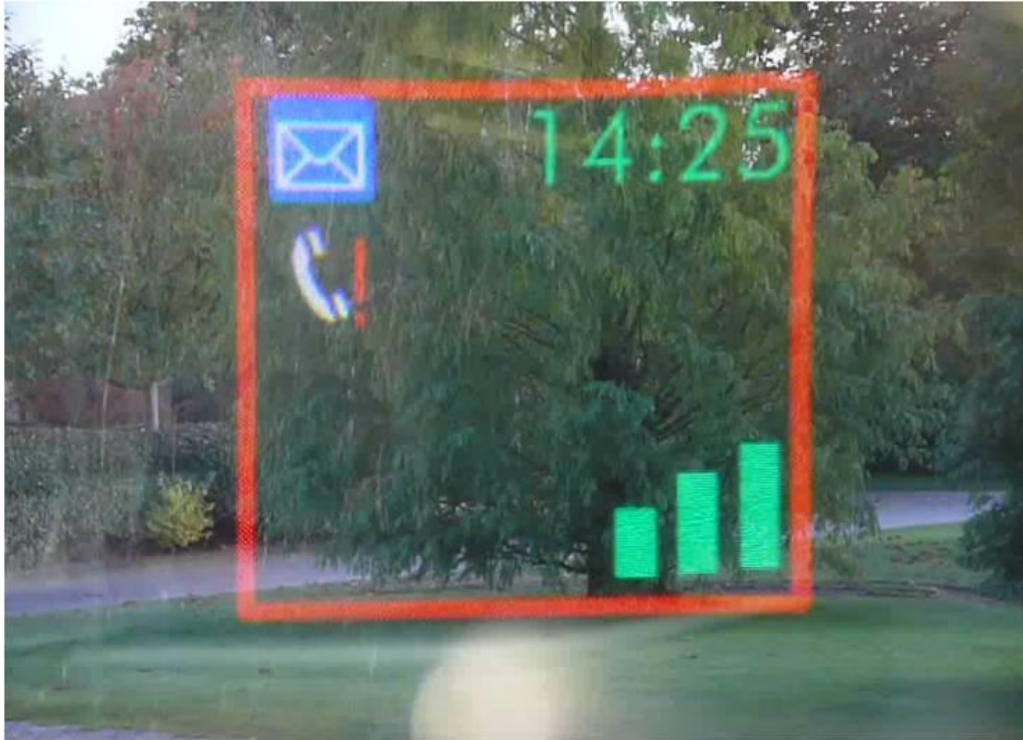


# Example project: Variable power optics

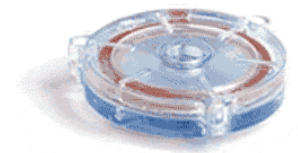
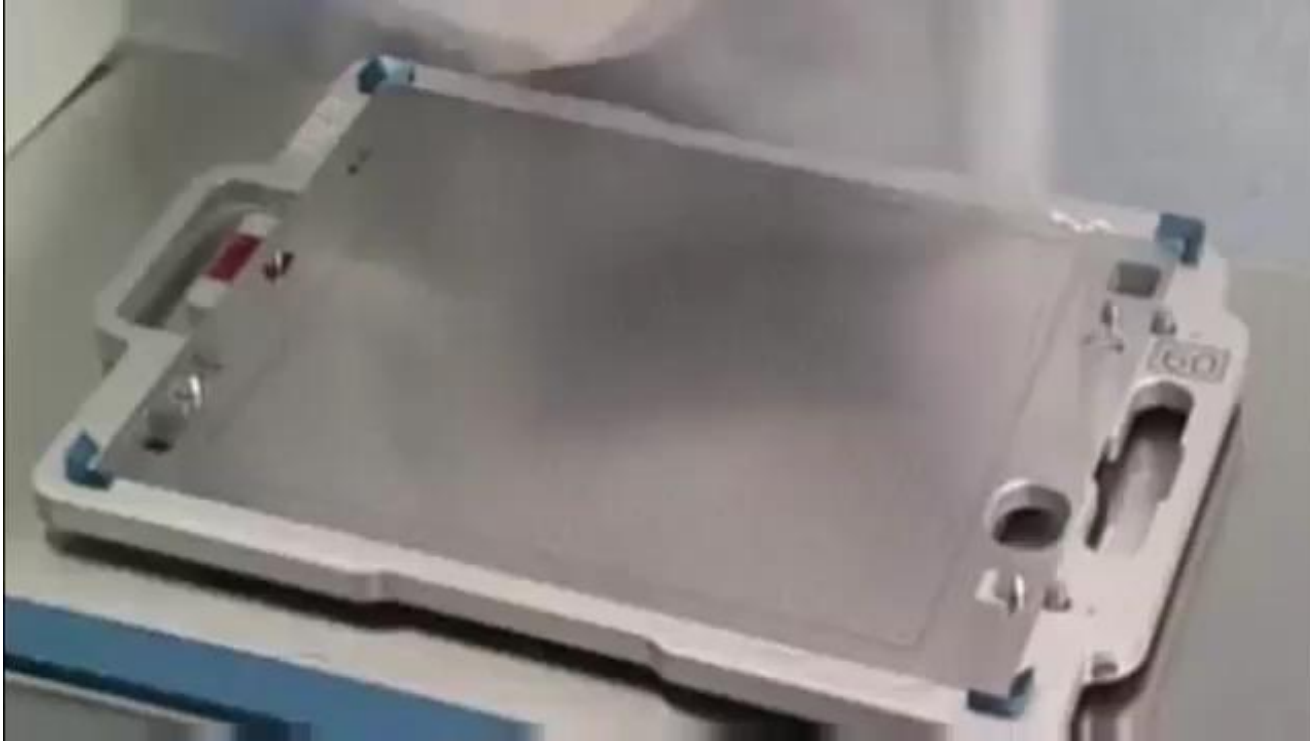


**PixelOptics emPower glasses:**  
Liquid crystal variable power lenses

# HUD

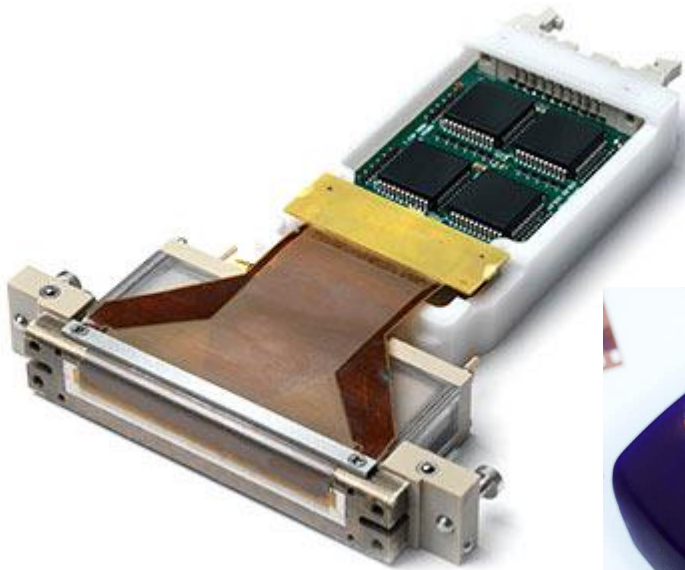


# Disc Pump



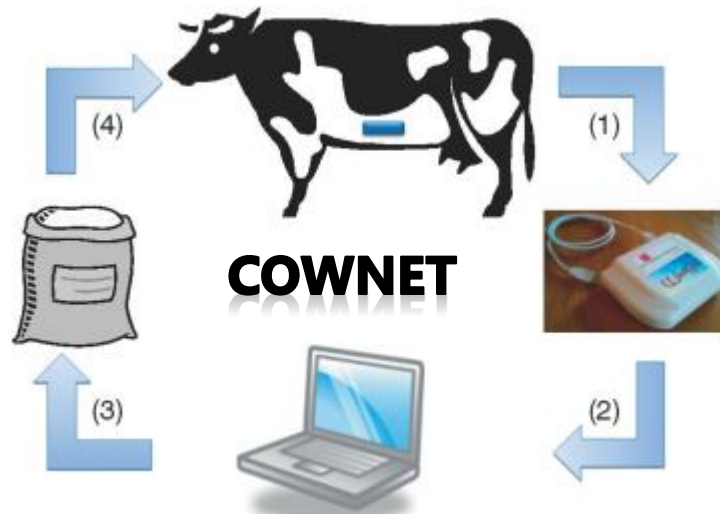


# Digital printing



# Well Cow Ltd

- Acidosis is estimated to cost the US dairy industry up to \$1 billion per year.
- Early detection allows prevention.



# Bonus: Cow magnet



# Projects I have worked on in the last two years

codename	area
Airforce One	Microdevice
Breakthru	Medical
Carbon	Industrial process
Cirrus	Printing
Cleopatra	Industrial process
Data	Sensing
Galileo	Fluidics
Grafton	Industrial process

codename	area
Hanzo	Industrial process
Icecap	Optics
Iron Maiden	Printing
Laser Driller	Optics
Pepperoni	Printing
P2	Medical
Salamander	Printing
Sequoia	Medical, Industrial

# Similarities between physics academia and TTP

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- Work can be very challenging and mentally stimulating
- Experimental systems always need some debugging!
- Get to work with some very smart, passionate people
- A lot of scope to learn new things

# Some differences between academia and TTP



# Some differences between academia and TTP



Client management

# Some differences between academia and TTP





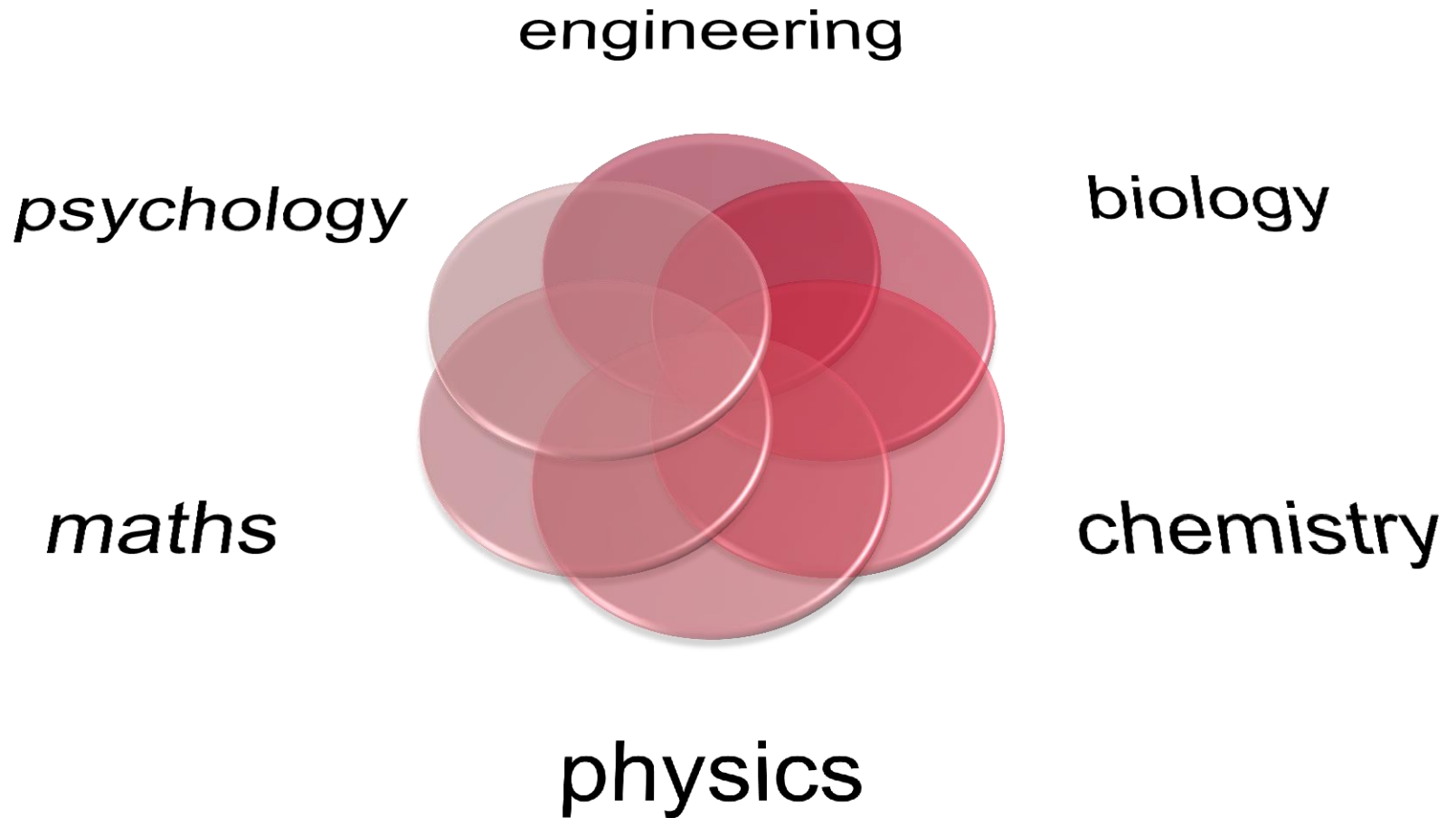
# What is TTP looking for in an employee?

Breadth of expertise (good generalist)

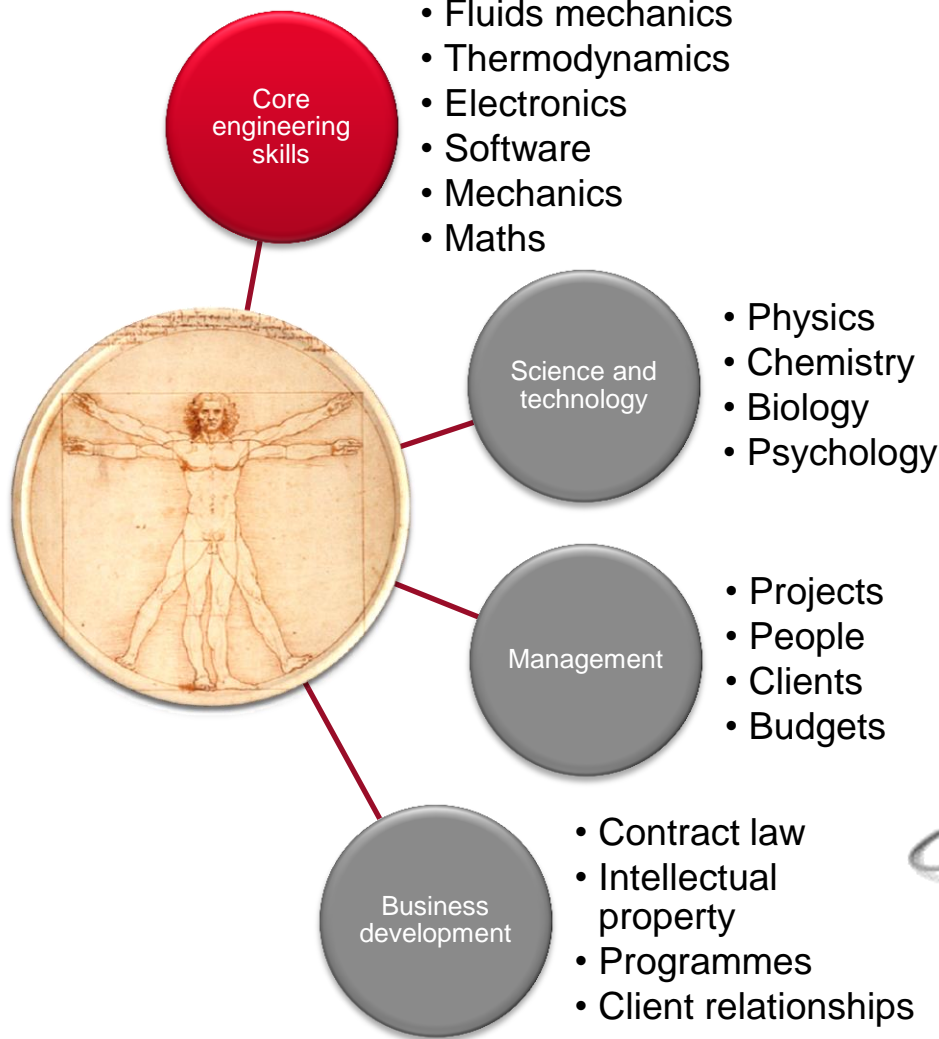


Deep knowledge of one or two specialist areas

# What is TTP looking for in an employee?



# What is TTP looking for in an employee?

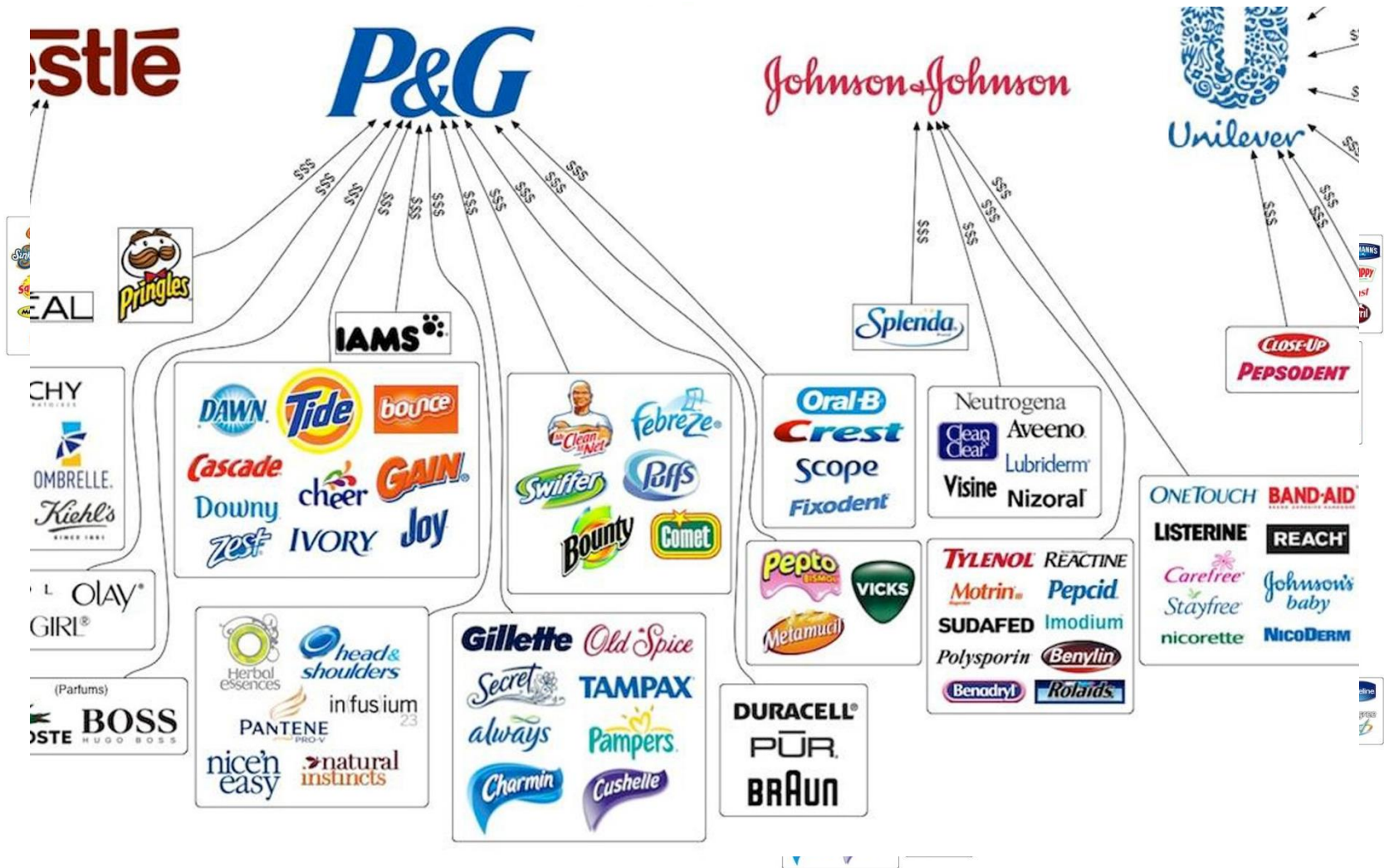




**Thanks for listening**  
**send me an email: [dan.crick@ttp.com](mailto:dan.crick@ttp.com)**



# Some differences between academia and TTP



# Low power signage

- TTP's Matrix Technology licensed to ZBD (now rebranded as "Displaydata")



## Deployment



Bounce Communicator



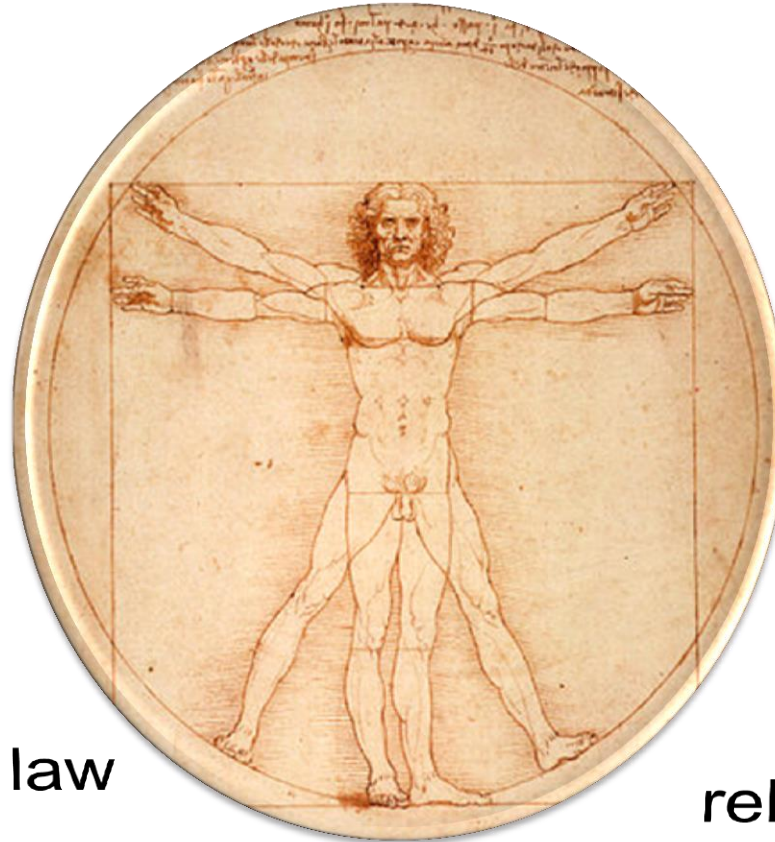
# What other skills are needed?

People  
management

Technical  
expertise

Project  
leadership

Intellectual  
property



Programme  
management

Contract law

Client  
relationships