

# Chris Butson

Lead Automation
Developer and Business
Analyst

University Hospitals Plymouth



### UHP in numbers 2023

Derriford hospital is located on the outskirts of Plymouth about 5 miles from the town centre.

Plymouth is a port city in South West England. It is located on the south coast of Devon, approximately 40 miles south-west of Exeter and 220 miles south-west of London. It is bordered by Cornwall to the west and has direct ferry links to France.





UHP employees just over 10,500 people.

We also support community hospitals and 3 Minor Injury Units in the region.





## Collaborative working





University Hospitals Plymouth NHS Trust



Experience, Guidance and opportunity providers



UI Path reseller and Automation Development provider



Trust. Value. Velocity

Building the team

We wanted to develop in house, and decided to structure the team with 1 Lead developer and Business analyst supported by 2 developers.

Look for the right attitude and personally when recruiting

Understand importance having a technical team (Admin teams alone can't do complex automation, coding, object oriented programming)

Someone who can think logically and perhaps coding experience in other areas

Keen to develop and learn







So far we have engaged with the following areas within the trust in terms of automation possibility

### Performance Information

- Patient Experience Team
- Outpatient Appointment Centre (OAC)
- Human Resources
- Cancer Services
- Procurement
- Royal Eye Infirmary (REI)
- Central Records Library
- Neonatal
- Cardiology
- Information Technology (D&I)
- Inpatient and Daycare
- Emergency Department (ED)
- Microbiology
- Neurology
- Paediatric Theatres
- Payroll

## Achievements



- 71 automation ideas submitted in first 2 years
- £81.5k of Cash and Non Cash releasing Benefits released
- Currently 10 "Digital Assistants" deployed
- 5 other non "Digital Assistant" automations completed
- 4,368 hours saved or avoided to date
- Other societal and qualitative benefits released

## **Expected Benefits (5 years)**





Select time frame to visulaize	5 Years
Funding Received	£125,000.00
Attended capaity used	0.05%
Un-Attended capaity used	23.49%
Maximum anticipated capacity	64.99%
Automation lifespan	5 Years
Cost neutral at	0.6 Years
Project go live date	01-Oct-22
Cost positive from	06-May-23
BOT capacity used	23.54%
Inflation Rate	5.00%
Net gain after 5 Years	£653,586.66
ROI after 5 Years	325.4%
Total hours saved	40005.5 Hours
Annual hours saved	8001.1 Hours
FTE Saved	5.0

### **Additional Benefits**

Multiple processes selected

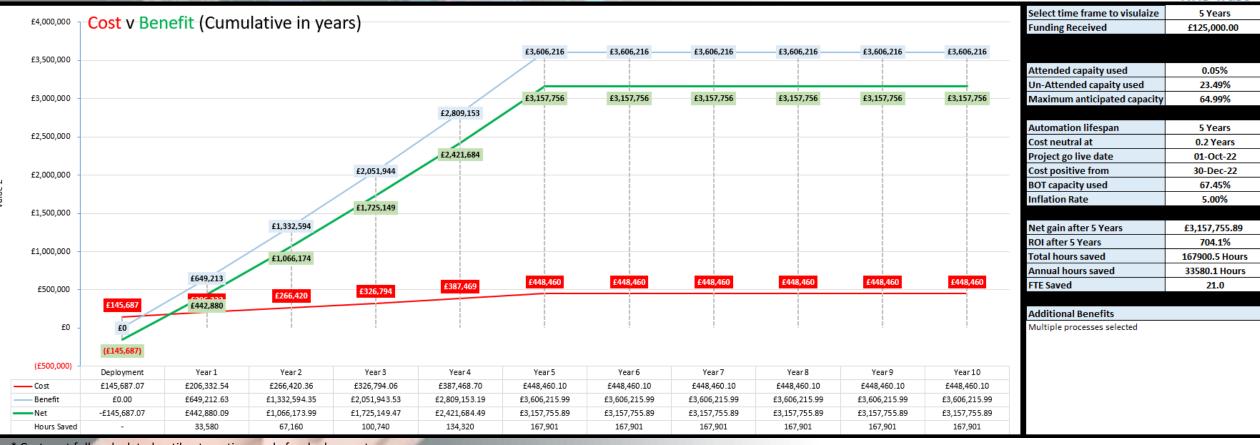
### Based on our currently deployed automations only

40,000 hours saved / avoided after 5 full years of deployment

- Equating to 5 FTE's
- Net gain of £650k of cash and non cash releasing benefits after 5 years
- These processes combined become cost neutral after 6 months of full deployment

## Projections (5 years)





<sup>\*</sup> Costs not fully calculated until automation ready for deployment

### Based on current projects in the pipeline

- Anticipated 33,580 hours per annum to be saved (167,900 after 5 years)
- Equating to 21 FTE's
- Non & Cash releasing return of <u>£3.6m</u> after 5 full years of deployment
- Other cash releasing, societal and qualitative benefits to be realised too

### **Future Plans**

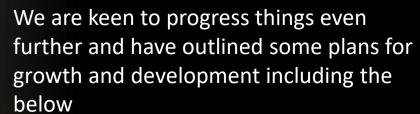
Ui Path Document

Understanding





Microsoft 365 Copilot



We're currently in talks to become a CofE for Devon ICS. No other trust in Devon is currently utilising RPA so it makes sense for us to assist and expedite them by imparting our existing knowledge

We've been asked by UI Path to become their NHS Autopilot site moving into 2024

We're currently investigation the need and benefits of Microsoft Co-Pilot

We've had the UiPath Document Understanding training in October '23 and already have identified a major potential area to utilise this (Clinical coding)