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Azure Proactive Customer Management

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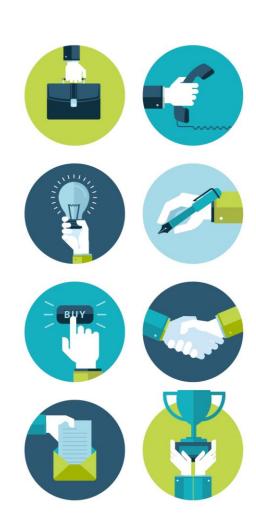
- Brings together churn detection, client activity monitoring and product recommendations
- Delivers prioritized customer contact list, recommended actions and call logging system.

Value and Delivery:

- Value from increased revenuer per customer, increase in customer satisfaction and reduction in churn.
- Anticipates customer needs, priorities calls based on value and maps insight to actions.
- 8 weeks to design and deliver early Proof of Concept. Typical project fully implemented and generating benefits within 6 months.
- Microsoft Azure components: Azure cloud, Azure Machine Learning, Power BI, Power Apps and Power Automate.

Algospark

- Applied analytics and AI consultancy (<u>https://algospark.com</u>)
- Bespoke AI consulting across numerous industry sectors with a growing suite of existing products / frameworks
- Member of the Microsoft Al Inner Partner Circle





Benefits of proactive customer management

Value

- Increased revenue per customer
- Increased customer satisfaction
- · Reduction in churn

Anticipation:

- Move away from reactively receiving calls to proactively anticipating customer needs
- Solve problems before they happen

Prioritise calls based on value:

- · Manage customer priorities based on opportunity value
- Identify customer value at risk and minimise

Map insight to actions:

- Map actions based on reason for proactive call and what the customer is likely to want
- Align to promotions and pricing policies

Create a virtuous learning loop:

- Recognising proactive call opportunities
- Recommend the right actions





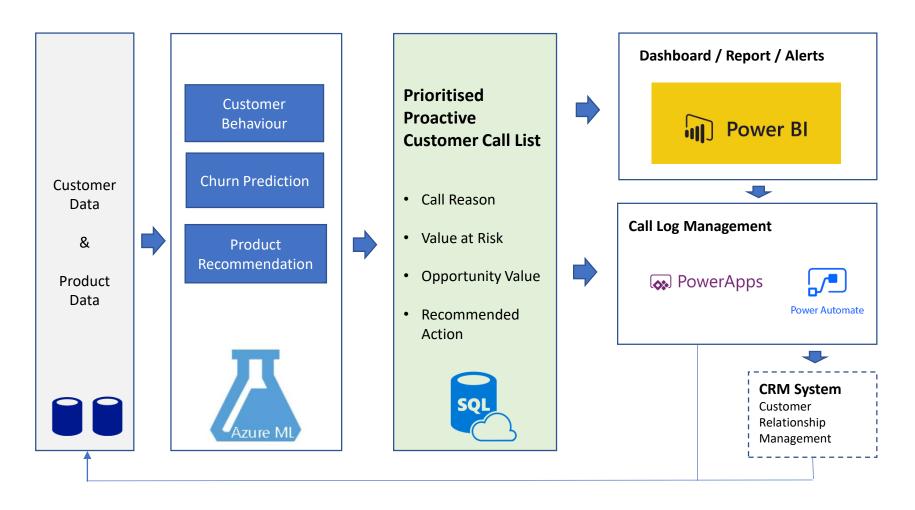






How Azure enables proactive customer management

- Prioritised, proactive customer call list with reason, value and recommended action
- Azure hosted, Azure ML, Power BI, Power Apps and Power Automate solution.





Solution delivery

Proof of Concept.

- 8 weeks engagement delivering initial analytics and early proof of concept
- Led by senior applied data scientist / transformation specialist.
- Weekly workshops and regular readouts to project sponsor and solution end-users.
- Clear development plan from proof of concept to in production solution.

Algospark Delivery Framework: POC and Beyond

Phase	Deliverables	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Beyond
POC	Opportunity review and workshops with "what / why / how / value" appraisal.							
	Initial solution design analytics (churn, behavior & recommenders)							
	Prioritised development plan							
	Early proof of concept and prototype development plan.							
Iteration Zero	Prototype with minimum viable product feature set. Updated business plan and project plan.							
Pilot & Production	Pilot and additional feature development using agile iterative development cycles (4 weeks per cycle). Delivery of "Version 1" production ready solution with roll-out plan.							
Support	Solution support (if required)							



Algospark: applied analytics and AI solutions

Applied Al Consultancy. Flexible bespoke solutions development

- Proof of concept, business case and project plan (4 weeks).
- Agile iterative weekly development to first prototype release (additional 8 weeks).
- Additional solution development (delivered in 4 week cycles).
- Hosted and managed solutions provided if required.

Other Consultancy:

Core Insights Consultancy: dashboard development and delivery

Products and Frameworks. Fast track delivery using existing Algospark solutions

- 1. Location Spark location analytics (https://algospark.com/locationspark/)
- Clear Vision computer vision image review and compliance (https://algospark.shinyapps.io/image review demo)
- 3. Xuuu customer insights framework (https://algospark.com/xuuu/)
- 4. Retail Cube one stop solution for hospitality sites needing co-ordinated sales forecasting, order recommendation and staffing calculator
- 5. Earningspark earnings call / financial news machine reading













Silver Data Analytics



Algospark recent projects

Sector	What	Why	AI / Approach	Solution
Retail	Automated image compliance tool for reviewing marketing campaigns.	 Decision consistency 75% legal time saving 50% project design cost savings 	Computer vision, natural language processing, classification.	Algospark managed and hosted solution. Phase 1 delivered in 3 months.
Hospitality	Sales prediction and stock order recommendation system.	1-3% sales uplift10%+ waste reduction50% ordering time reduction	Site classification, sales prediction, product mix optimisation and sales to order mapping.	Client owned bespoke AI solution with roll-out, integrated to stock ordering system. 6 months project.
Airlines	Dynamic pricing to maximise revenue yield per flight.	 Av. selling price 1%+ increase 100%+ increase in number of flights per analyst 	Demand and yield curve prediction. Prioritisation of outliers based on value of recommended intervention.	Client owned bespoke Al solution with roll-out. 12 months project.
Software	Value driven "Applied Al Roadmap".	 Augment product offering and increase subscription price Reduce costs of operation 	Numerous prediction / detection / classification use cases.	Roadmap, business case, prototypes and pilots.
Government	Automated production of plans for children with learning challenges.	 Reduce preparation time by 25% saving £1500 per plan (35,000 new plans prepared in England each year) 	Multi-stage classification algorithms and natural language processing of expert reports.	Al prototype built for a consultancy and 3 boroughs. 6 months prototype project.
Telecoms	Mobile roaming fraudulent calls detection.	 Reduce fraud calls (<1% calls) Minimise "false positive" deactivations that lead to genuine customer losses. 	Deep learning denoising autoencoder. Mapped to fraud cost / loss of customer value.	Al prototype built for consultancy and mobile operator. 2 months project.



More information

Azure Proactive Customer Management:

https://algospark.com/azure proactive customer management

Algospark

- Algospark: https://algospark.com
- Solution demos: https://algospark.com/#solutions
- Blog: https://algospark.com/blog/

Microsoft

- Azure Machine Learning: https://ml.azure.com
- Power BI: https://powerbi.microsoft.com
- Power Apps: https://powerapps.microsoft.com

