ASX Announcement



23 June 2022

INVESTOR TECHNOLOGY DAY 2022

Appen Limited (ASX: APX) is holding an online Investor Technology Day event commencing at 10.30am AEST today. The presentation materials for the event are attached.

Authorised for release by the CEO.

For further information, please contact:

Rosalie Duff Head of Investor Relations +61 421 611 932 techday@appen.com

About Appen

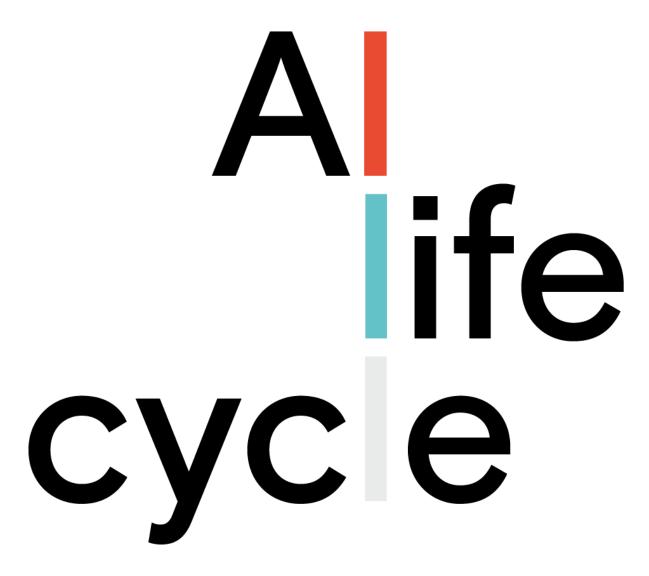
Appen is the global leader in data for the AI Lifecycle. With over 25 years of experience in data sourcing, data annotation, and model evaluation by humans, we enable organisations to launch the world's most innovative artificial intelligence systems.

Our expertise includes a global crowd of more than 1 million skilled contractors who speak over 235 languages, in over 70,000 locations and 170 countries, and the industry's most advanced AI-assisted data annotation platform. Our products and services give leaders in technology, automotive, financial services, retail, healthcare, and governments the confidence to launch world-class AI products.

Founded in 1996, Appen has customers and offices globally.

Powering the





Appen Limited

Investor technology day



- Appen's strategy
- Data for the AI lifecycle overview
- Technology demonstrations
- Closing
- Q&A

Introductions





Mark Brayan



Wilson Pang Chief Technology Officer



Sujatha Sagiraju Chief Product Officer



Ryan Kolln

VP, Strategy and Corporate Development



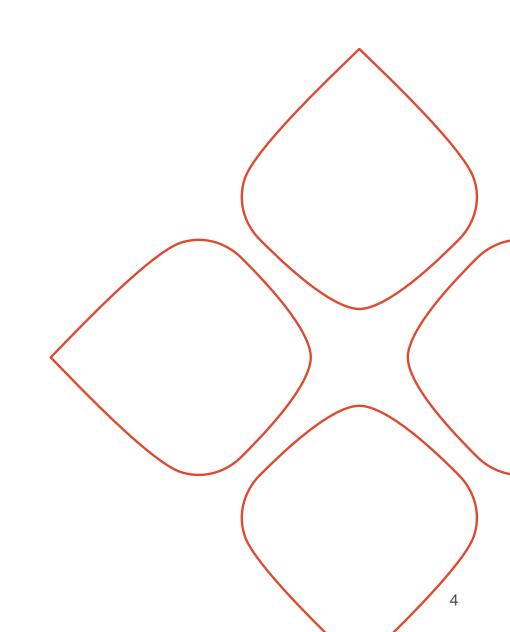
Mike Davie

SVP and General Manager, Quadrant

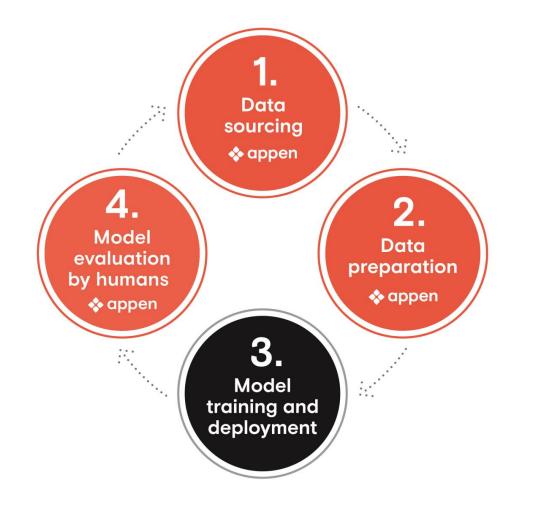


Appen's strategy

Ryan Kolln

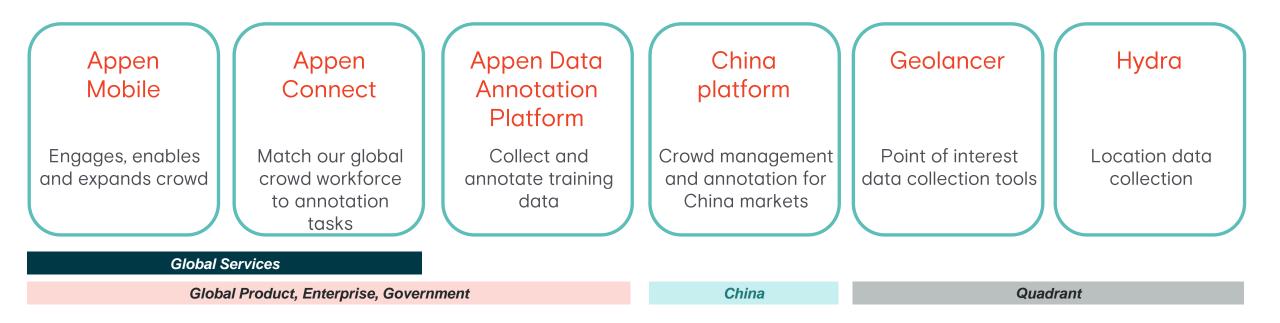




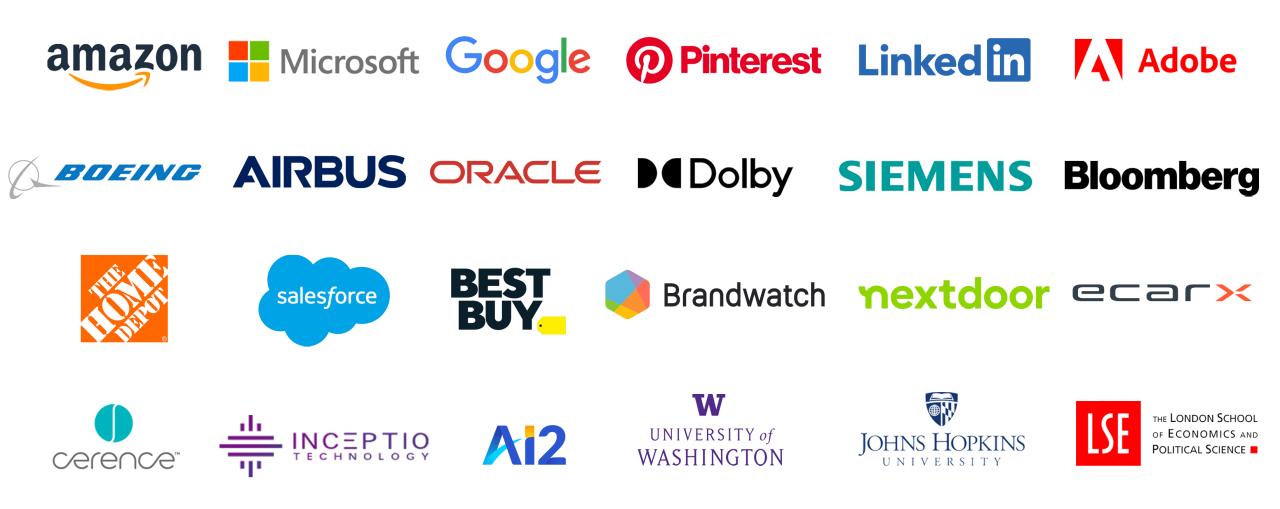


- 1. Data sourcing
- 2. Data preparation
- 3. Model training and deployment
- 4. Model evaluation by humans

Appen's tech underpins efficiency, quality, reliability and scalability 🔷 🍫 appen

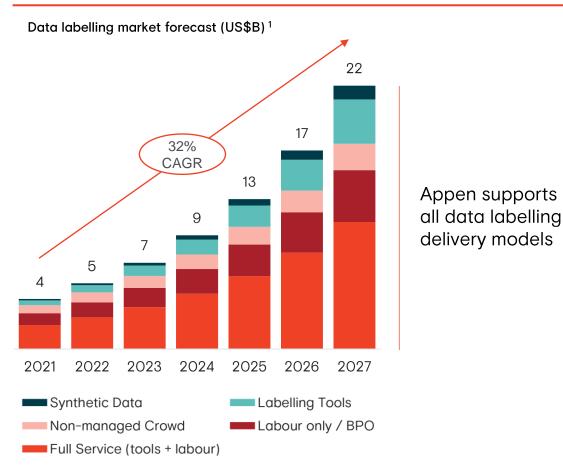








Growing need for labelling



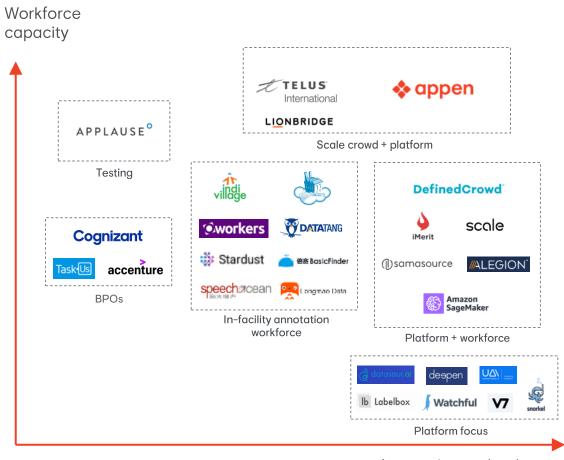
What customers are saying

- Vast, high-quality data sets are required for Al models to work perfectly
- Humans will continue to play a significant role in the creation of unbiased AI training data
- Technology is essential for delivering large-volumes of high-quality labelling and sourcing tasks and integrating with model development pipelines
- Data trust and privacy are paramount
- Al is experimental, requires high agility and expertise to support new product development. Customers less likely to commit spend
- Synthetic data is early but will play a role

Appen is strongly positioned against competitors



Competitive landscape

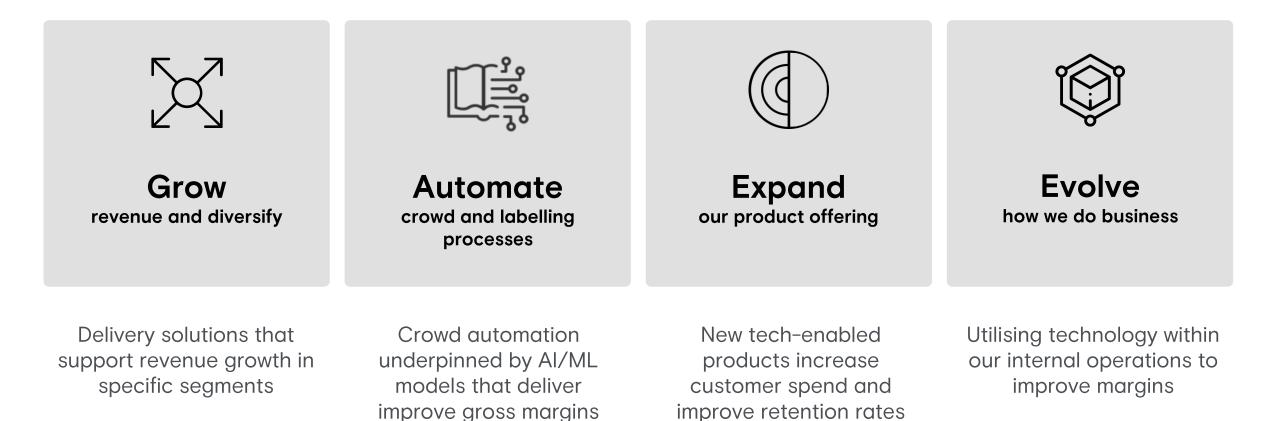


Annotation technology

Our differentiators

- Unique combination of leading annotation technology and global crowd
- Trusted by global Al leaders to support both in-deployment and emerging Al enabled products
- 25 years expertise working delivering high quality AI training data
- Appen's crowd supports large-scale data requirements with high quality
- Full market coverage with dedicated business units focusing on Global (big-tech), China, Government and Enterprise

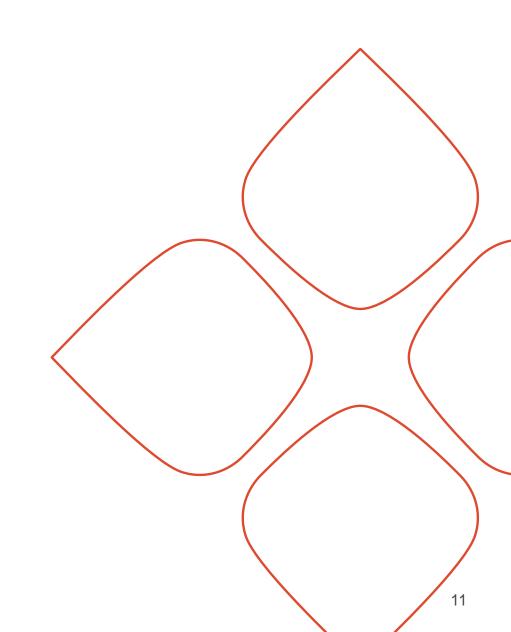
Technology is critical to deliver our strategy and long-term goals <a>* appen





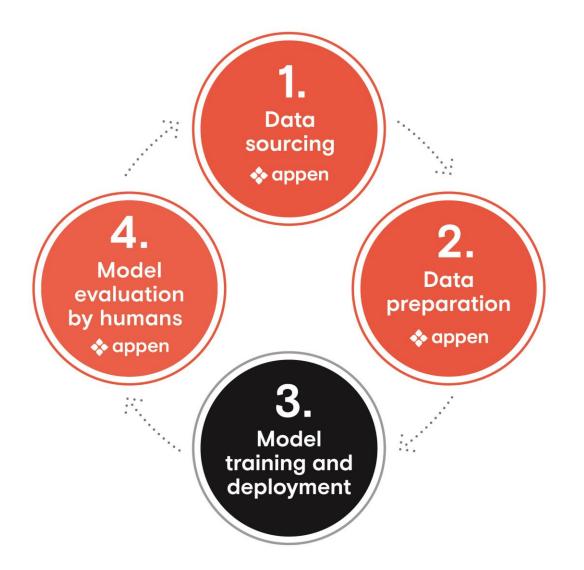
Data for the Al lifecycle

Sujatha Sagiraju



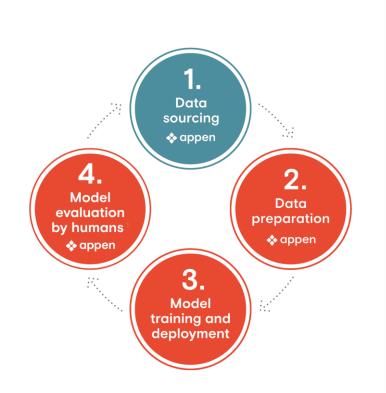
Enabling our customers to build AI applications



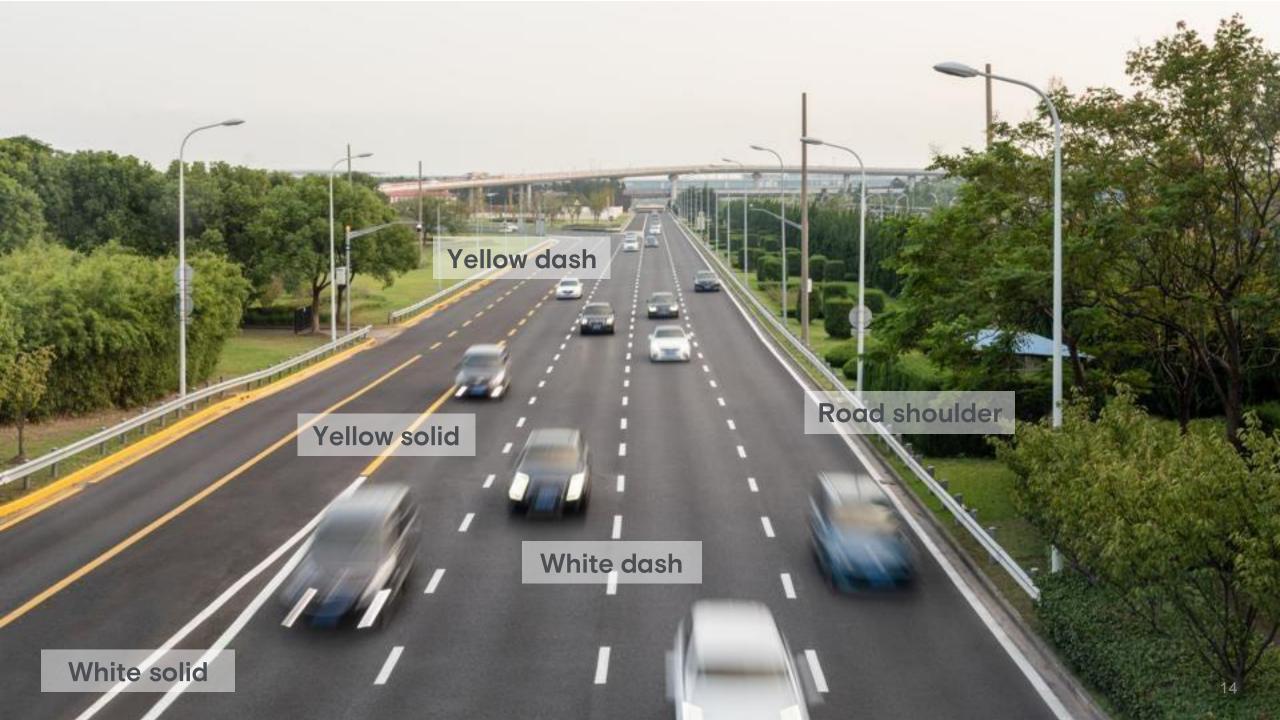


1. Data sourcing: distracted driver detection





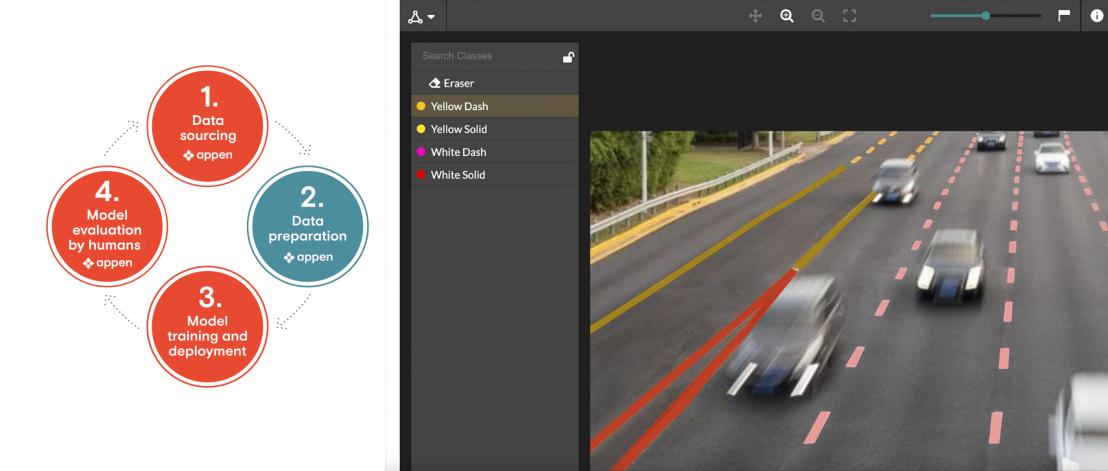


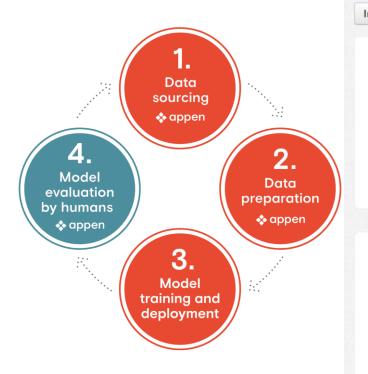


2. Data preparation: lane line data labelling



SAVE





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Did My Virtual Assistant Get It Right?

Instructions -

What the user said to their virtual assistant:

"go to the nearest gas station"

The virtual assistant thought the user was asking about finding or navigating to an amenity or service

AMENITY - Anything to do with local amentities like looking up or finding gas stations, parks, etc.

Did the AI correctly classify the intent of the speaker as looking for information or directions to a local amenity? (required)

Yes

What the user said to their virtual assistant:

"how much does gas cost at the nearest gas station"

The virtual assistant thought the user was asking about finding or navigating to an amenity or service

AMENITY - Anything to do with local amentities like looking up or finding gas stations, parks, etc.

Did the AI correctly classify the intent of the speaker as looking for information or directions to a local amenity? (required)

O Yes

No

Key points and benefits to the business



Appen supports the entire Data for the Al lifecycle for all data modalities

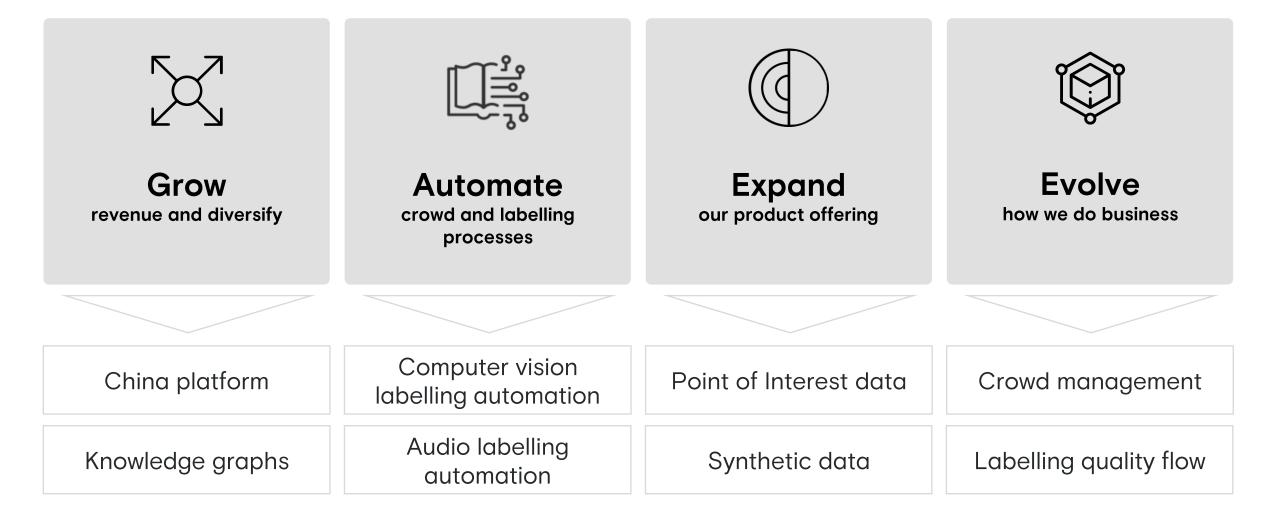
Benefit to the business

- Competitive advantage one stop shop for AI data
- Expands our total addressable market, opens the market

- Technology enables scale and repeatability
- Improved gross margin

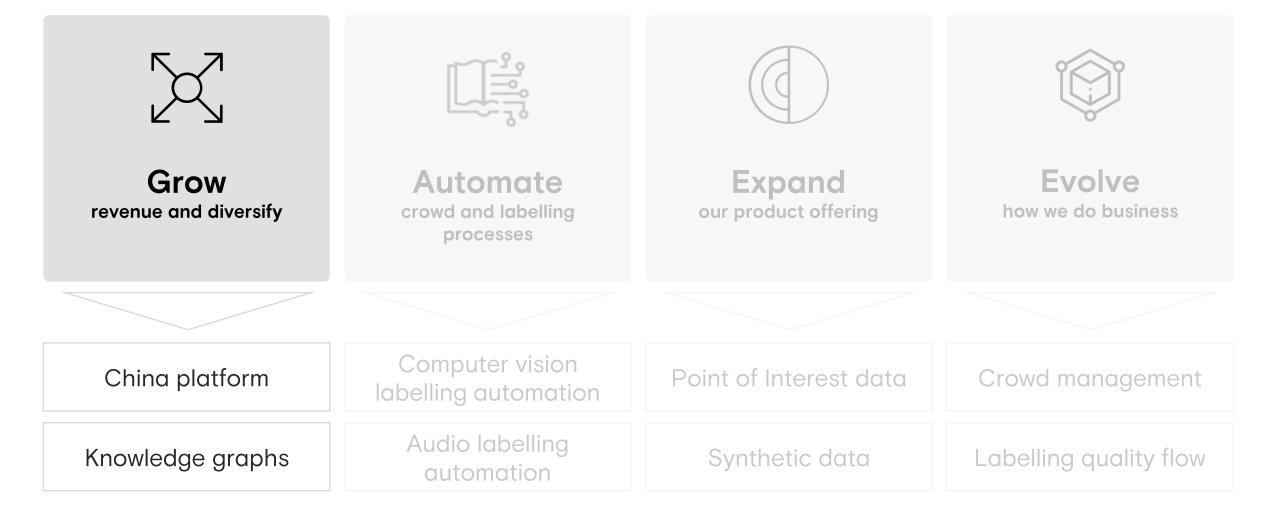
Our products enable our growth strategy





Our products enable our growth strategy

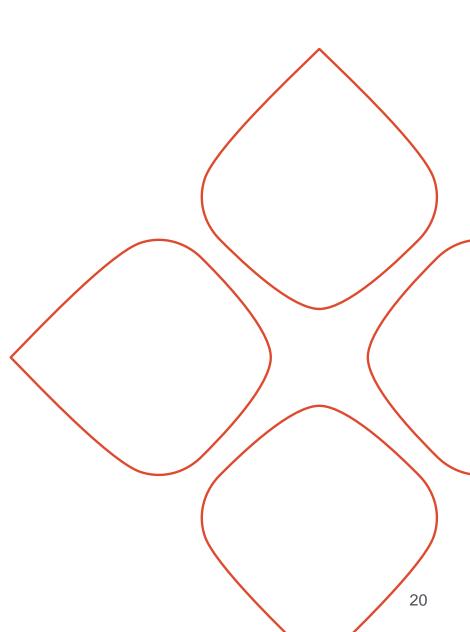






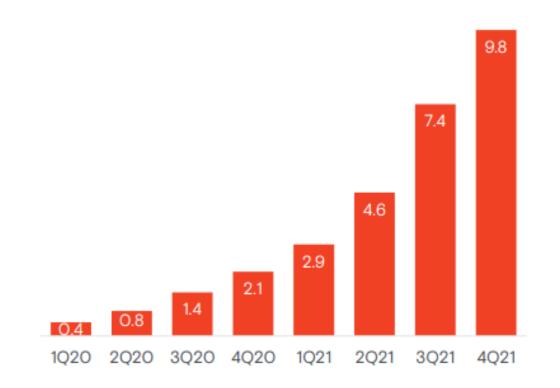
China annotation platform

Wilson Pang



Appen has phenomenal growth in China

Appen China revenue (US \$M)



China platform underpins our growth

Built for local requirements

 Product features are design to suit Chinaspecific customer requirements

Fast response time

 Dedicated engineering team enables rapid customer response

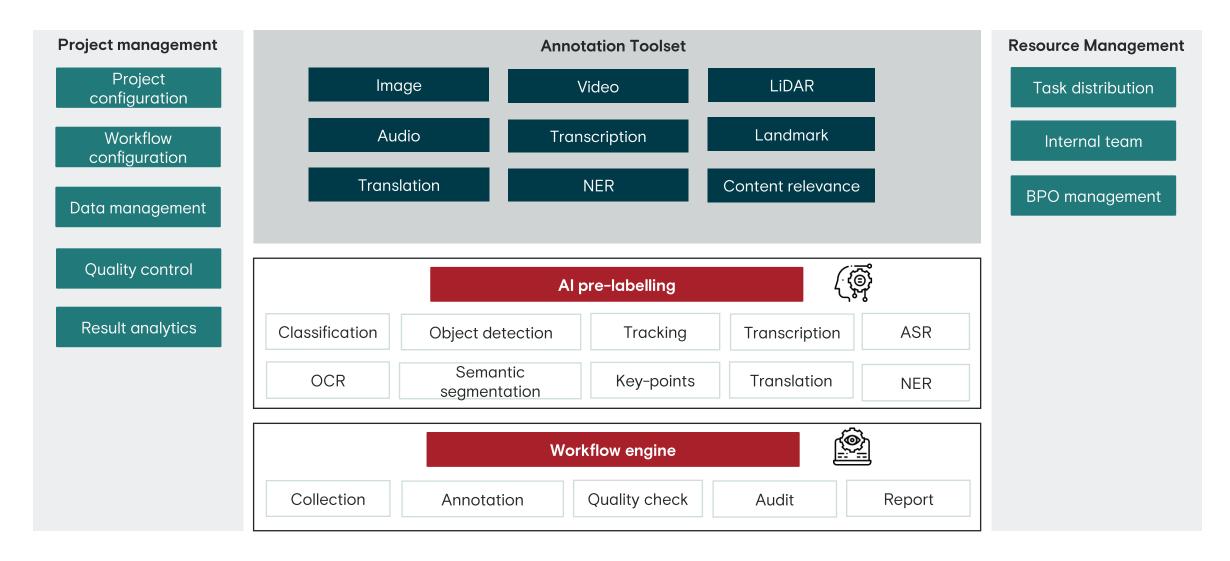
Data protection

• China data remains in market

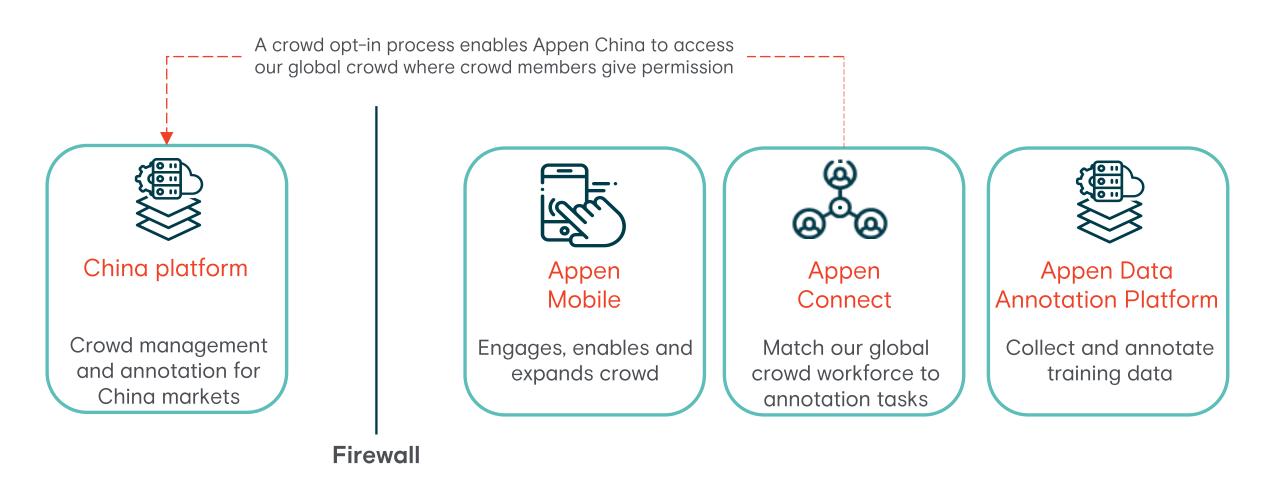
IP protection

• Air-gapped platform provides IP protection for our non-China customers

Appen China platform has a full suite of annotation capabilities space/www.appen.com



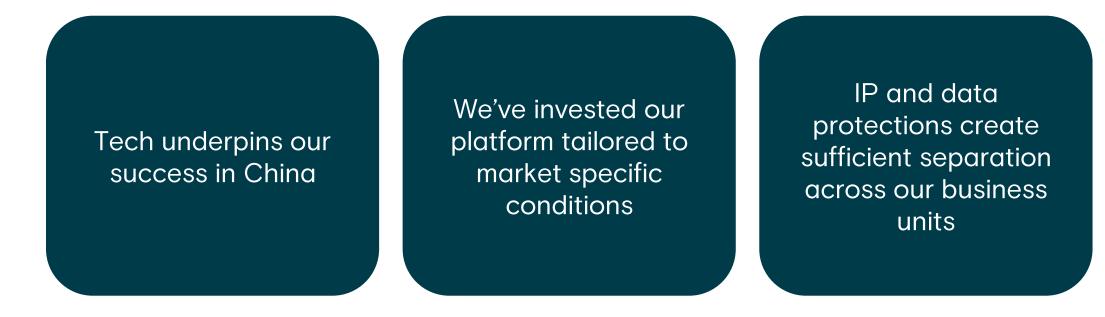
Appen China has the benefit of accessing our global crowd oppencence.com



China platform fire-walled from core product suite to protect core IP and Chinese customer data

Key points and benefits to the business





Benefit to the business

- Ongoing revenue growth in a high value market
- Expanded data modalities and platform features increase addressable market
- Customers value our approach to tech separation

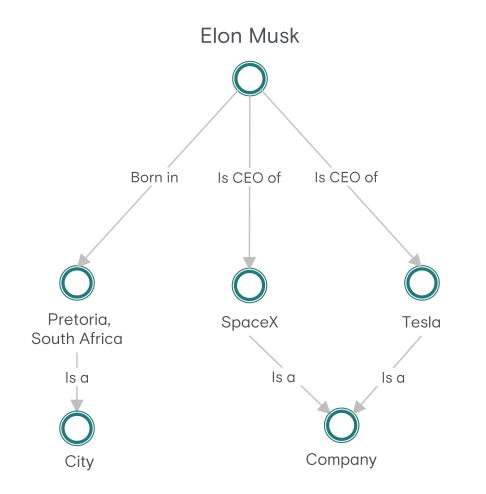


Knowledge graphs

Ryan Kolln



Knowledge graphs use relationship structure to arrange data appen



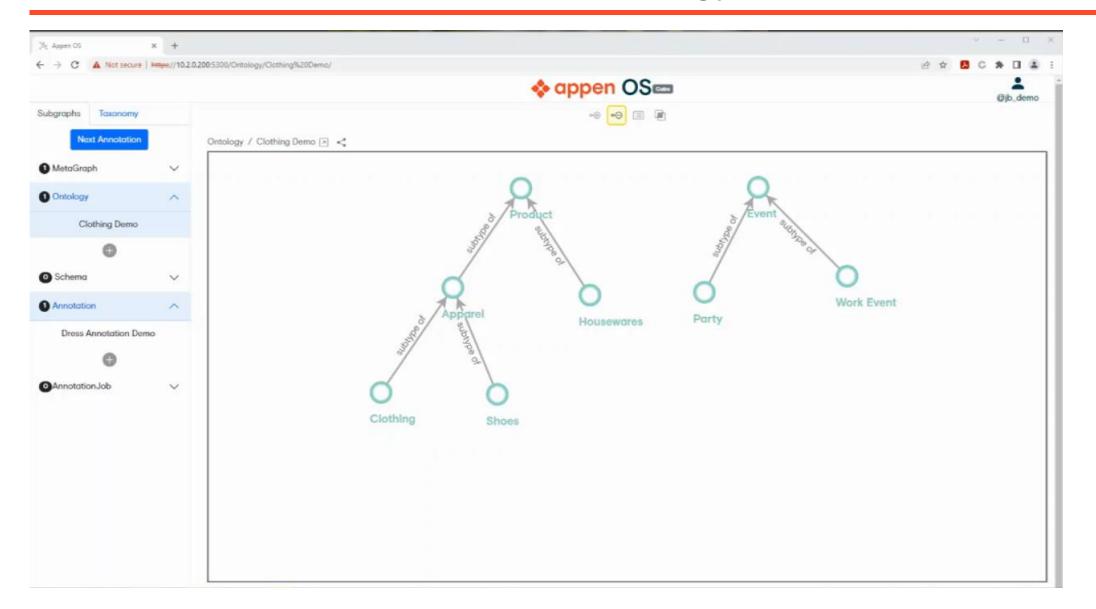
Knowledge graphs (KG) map relationships between data and underpin AI used by major technology companies

Appen has a long-history in providing linguistic services to structure data

Appen Ontology Studio (OS) combines our deep linguistic expertise with a no-code interface for customers to design knowledge graphs

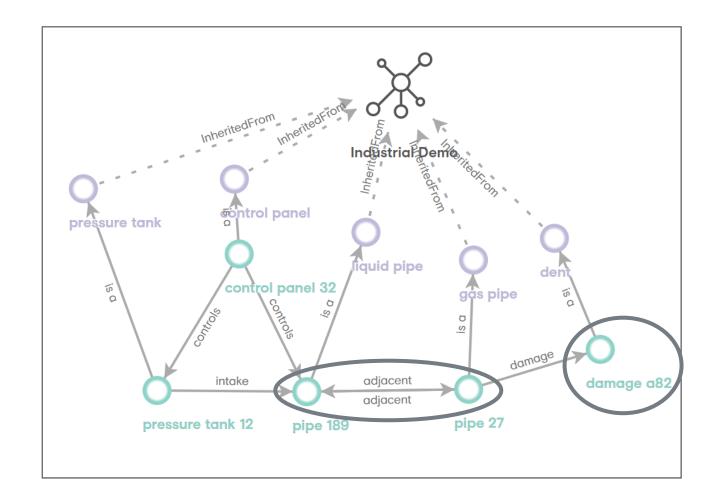
Video demonstration of Appen Ontology Studio





Knowledge graphs are relevant to physical relationships





appen



Appen OS productises core components of our linguistic expertise Democratises technology typically only available to leading tech companies

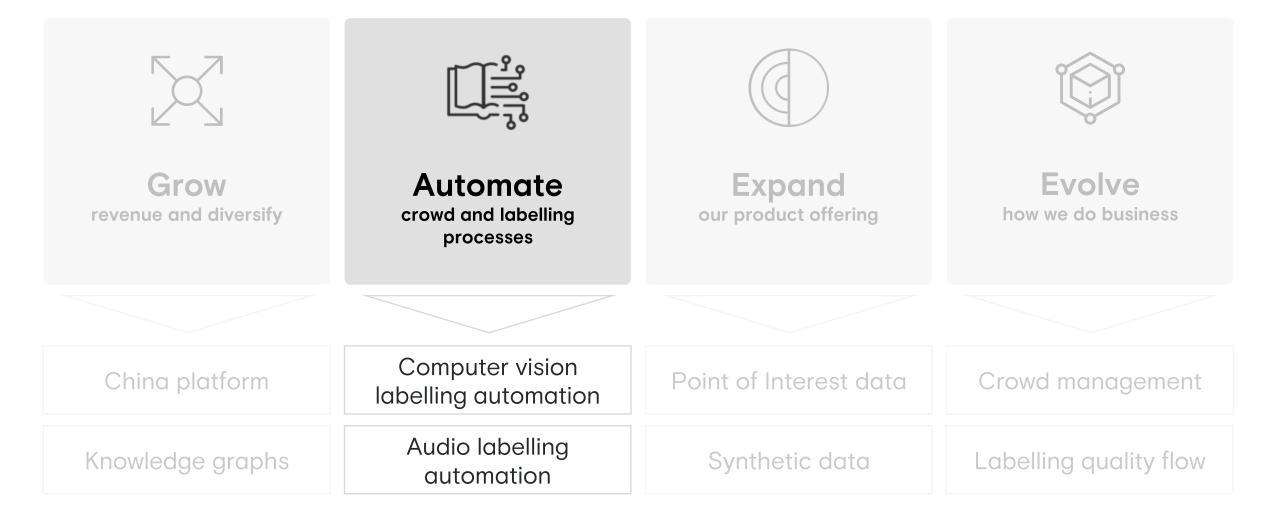
Appen OS interface simplifies data labelling process

Benefit to the business

- Increases stickiness with our customers
- Scales our expertise, improving our productivity
- Grows our addressable market in the Enterprise sector
- Improved productivity of the crowd for KG annotation projects

Our products enable our growth strategy







Computer vision labelling automation

Sujatha Sagiraju





Speed labelling

Al models that assist contributors by automating slow tasks



Pre-labelling

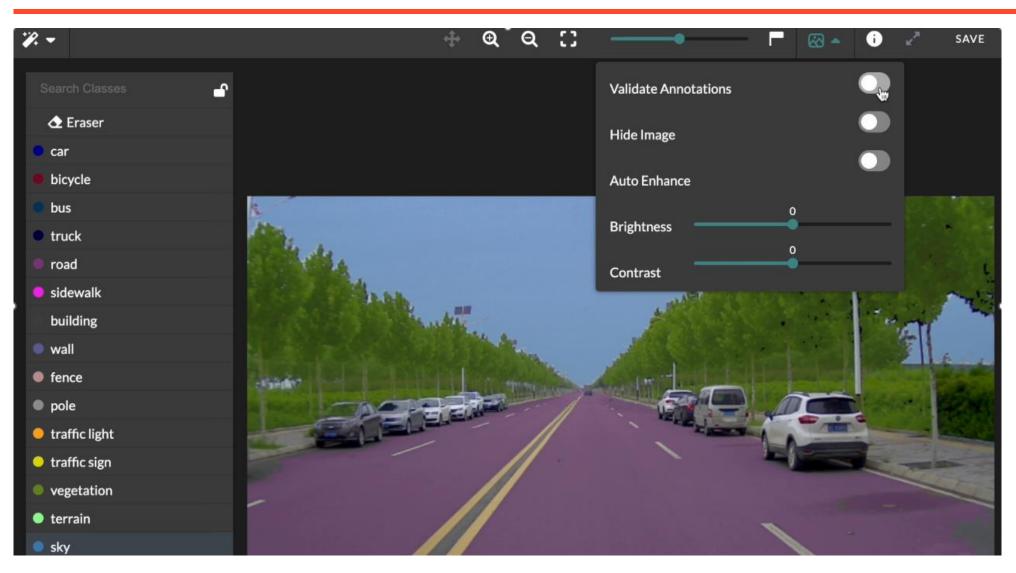
Al performs an initial 'best guess' of the annotation

Smart validators

Al models that verify contributor output before they are submitted

Video demonstration of labelling automation





Key points and benefits to the business





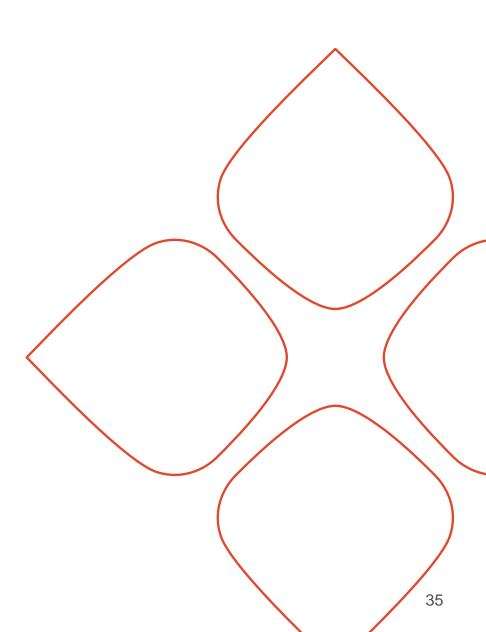
Benefit to the business

- Improved gross margin
- Faster speed to output results in more revenue
- Better quality output results in more revenue



Audio labelling automation

Wilson Pang



Growth in AI for customer service, however challenges in real-world **\$** appen





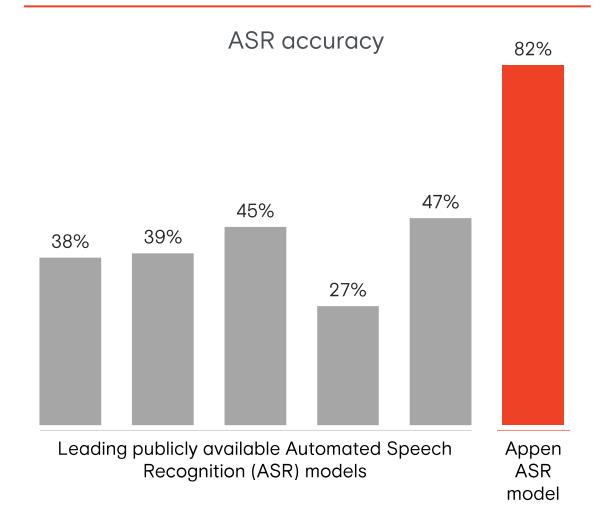
Audio recordings are loaded into ADAP Pre-labelling using Appen's proprietary Al models Quality checks and adjustments by the Crowd

High quality training data faster at larger scale Superior Al model performance for the end user

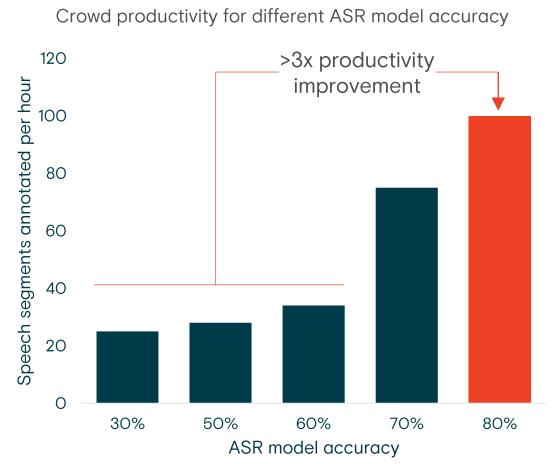
Use of pre-labelling changes the crowd task from 100% labelling to more quality assurance – crowd remains a critical function



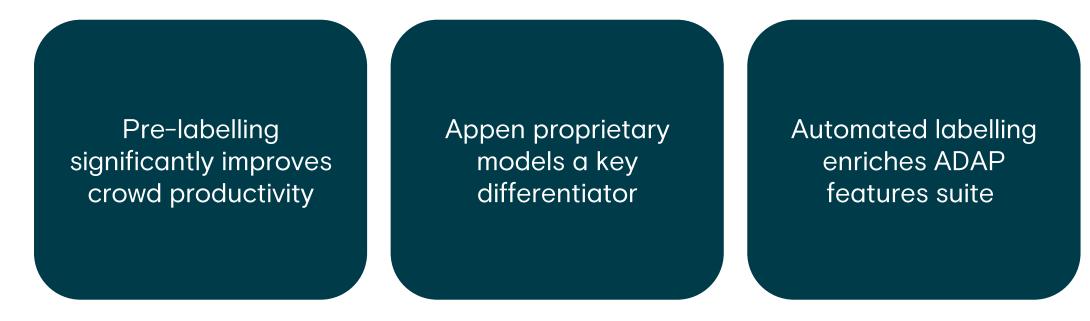
Appen's ASR model outperforms leading public models



Resulting in a >3x crowd productivity uplift



Key points and benefits to the business

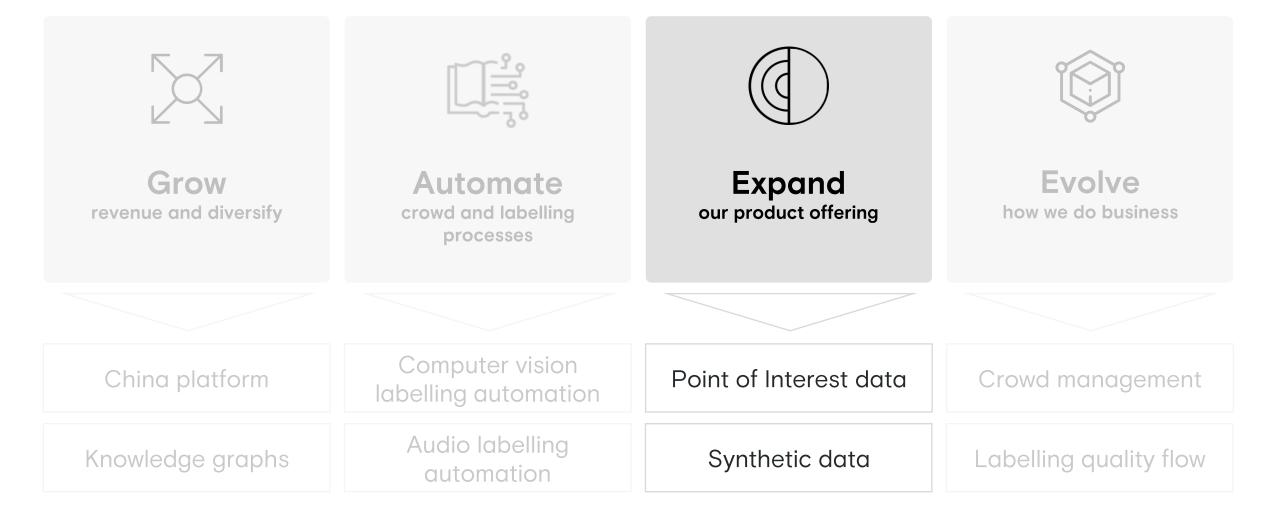


Benefit to the business

- Improves gross margin
- Greater output per crowd
 worker
- Creates a competitive advantage in sectors where we have high-performing models
- Increase stickiness of existing customers, leading to greater revenue

Our products enable our growth strategy

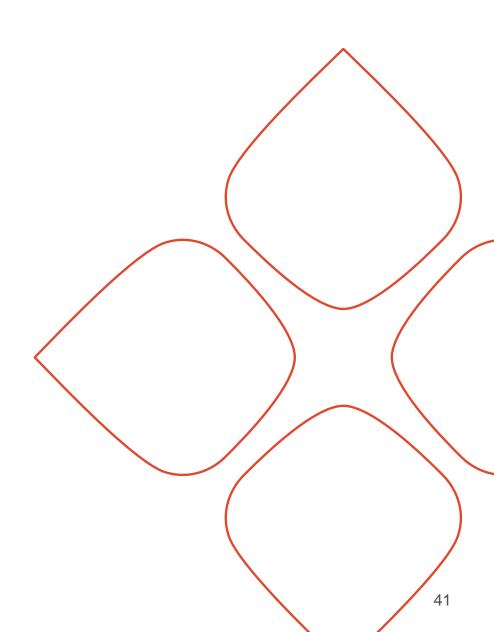






Point of Interest data

Mike Davie





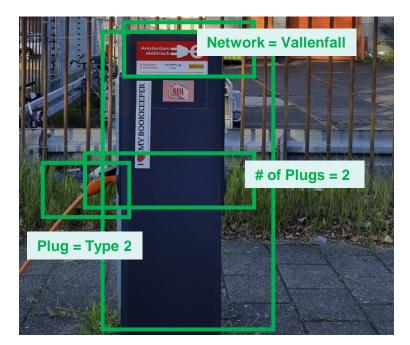
Constant change



New interfaces

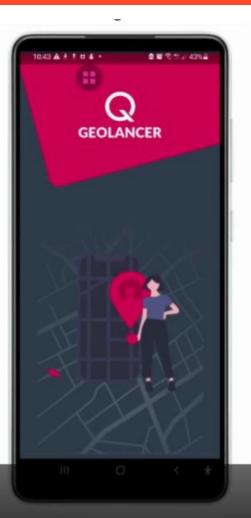


Evolving expectations



Video demonstration of Geolancer





Geolancer

E

Scalable in-field data collection.

Key points and benefits to the business



Digital mapping and data collection is a \$4.6B opportunity growing 14% YoY

Ongoing demand for location data requires recurring data feeds Quadrant's Geolancer application with Appen's crowd is a highly scalable product

Benefit to the business

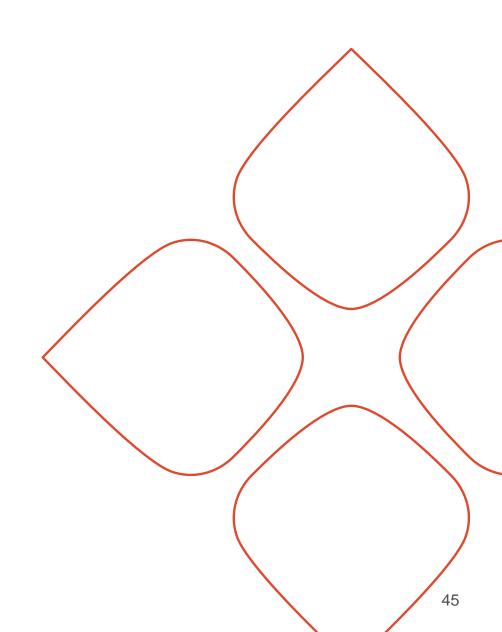
- Geolocation data adds a large TAM to our business
- Geolocation projects have a similar profile to Search and Ad relevance projects
- Persistent demand expected

 Product-first approach to data collection to deliver higher gross margins



Synthetic data

Ryan Kolln



Challenges with real-world AI data collection





Car driving down the wrong side of the road Al training that requires images of faces Training set may have insufficient skin-tone representation Outdoor AI that needs to perform under different weather conditions Al models to support highsecret products



Computer-generated, photorealistic, 3D environments

Compliments real-world data

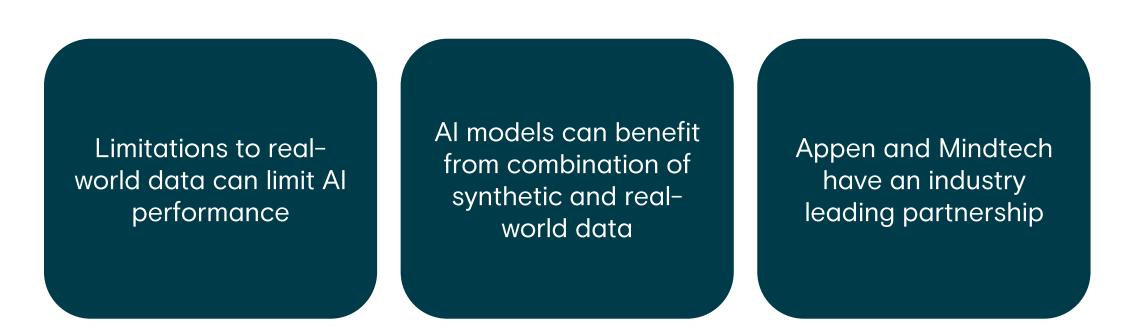
Appen and Mindtech have created an industry leading partnership





C mindtech

Key points and benefits to the business

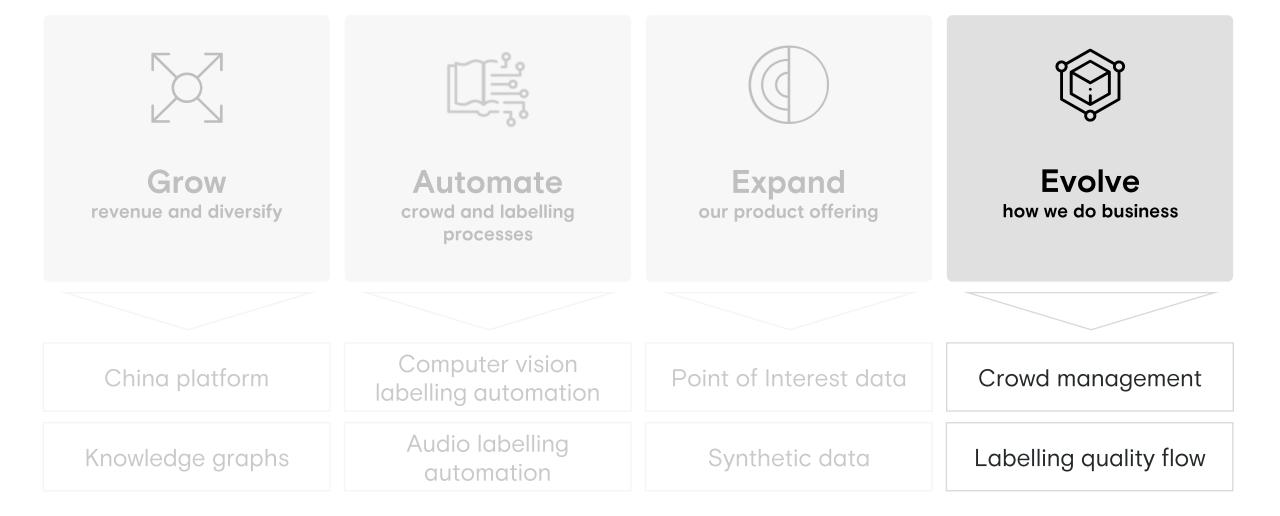


Benefit to the business

- Synthetic data has the potential to improve model performance and increase market growth
- Human annotated data is an ongoing need
- Combination of synthetic and real-world data is a competitive advantage
- Cross-sell opportunities lead to greater revenue

Our products enable our growth strategy

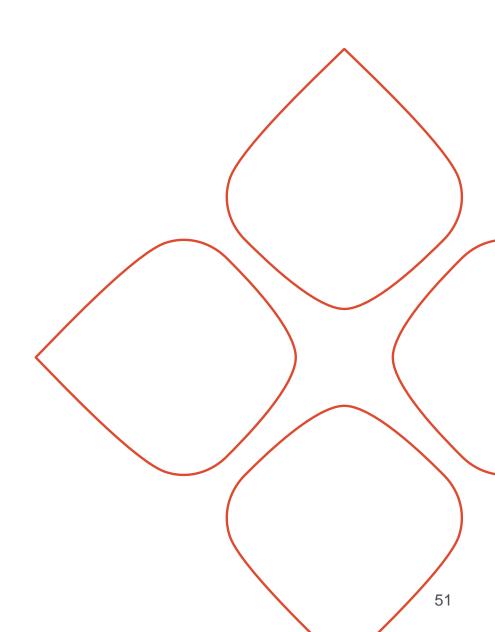




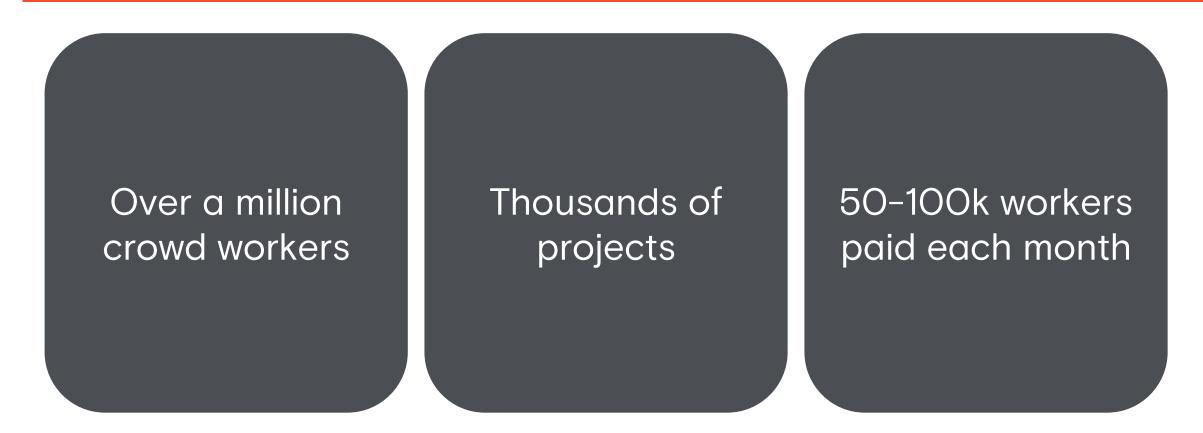


Crowd management

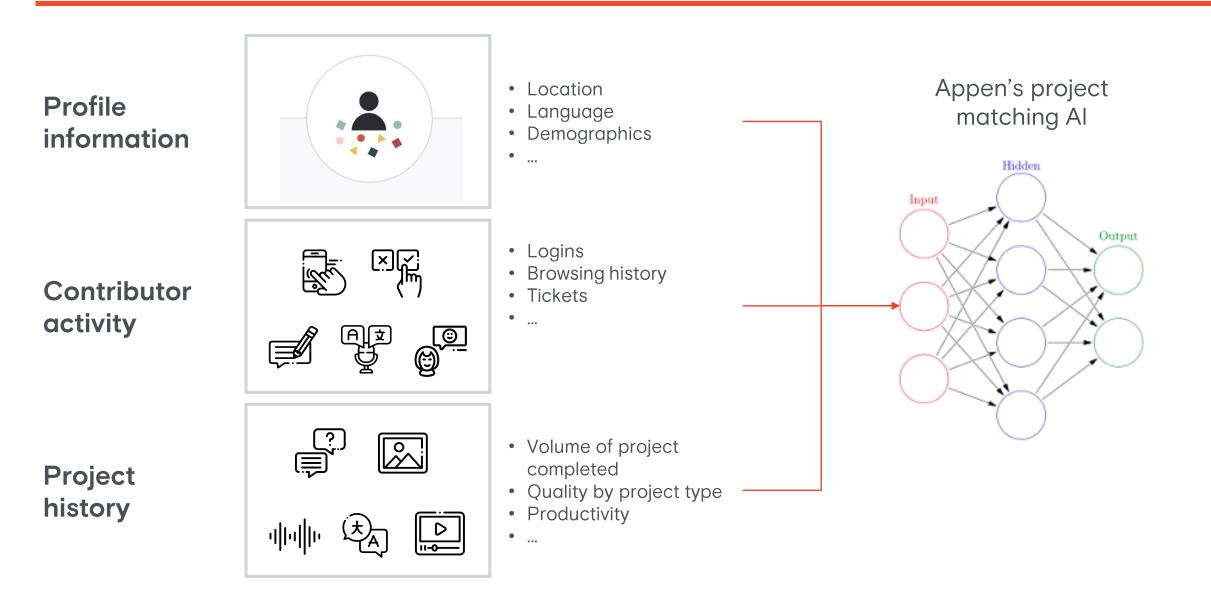
Wilson Pang



Our diversified crowd with 1M+ contributors is the foundation oppen



Matching the right contributors to the right project is a highly complex task that we do at large scale every day





Please Logir	ו	
Email		
Password		
Remember Me	Forgot Password?	
Please Login		
New user? Register		

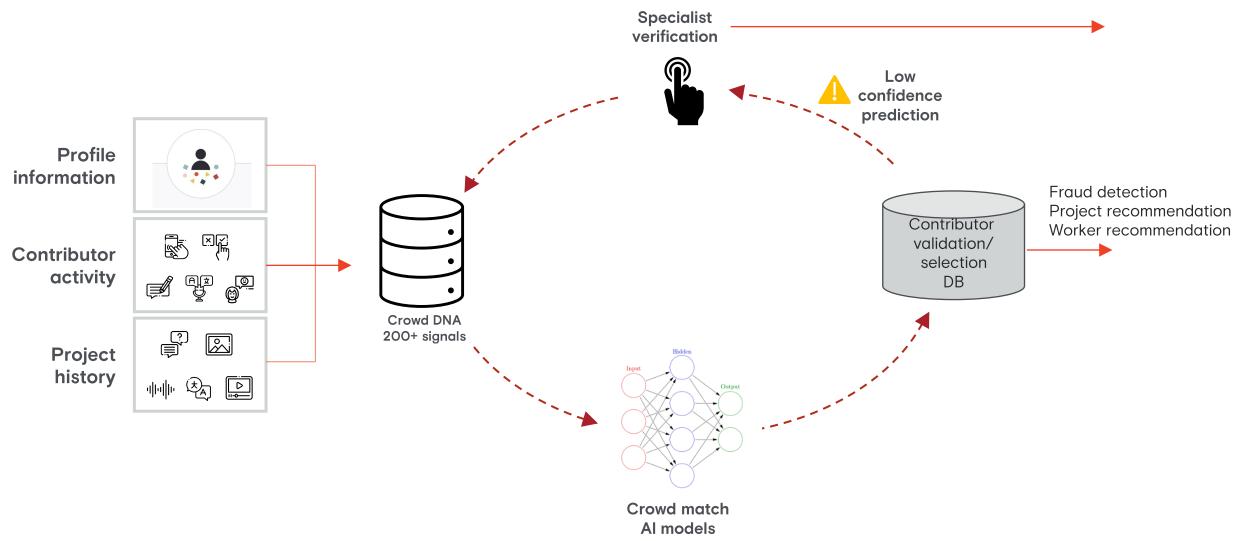
	Crowd worker #A	Crowd worker #B
Country	Brazil	US
IP	10.21.368.xx	10.21.368.xx 🧎
Login time	8am-6pm	3am-5am 🔔
# of logins	2	300 🔔





	Crowd worker #A	Crowd worker #B
Project type	Autonomous vehicles	Retail
Working hours	20	40
Quality score	92	85
Delivery speed	50 images/hour	200 images/hour

Constant AI model improvements with human in the loop opposition/www.appen



Key points and benefits to the business



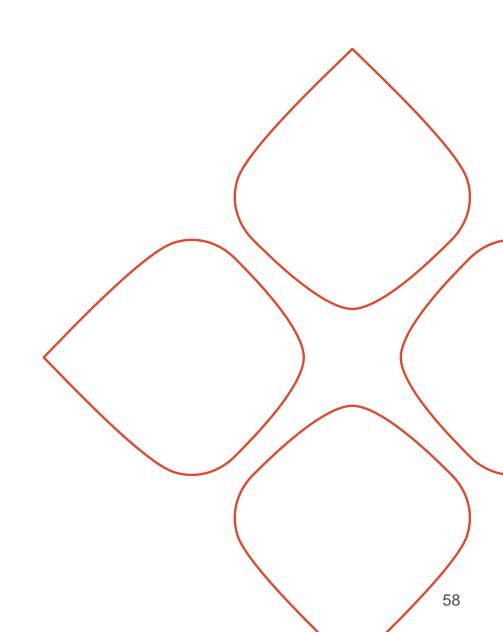
Benefit to the business

- Improved delivery speed for our customers, leading to greater revenue
- Crowd automation enables our teams to support a larger volume of projects, improving productivity
- Happier crowd workers have higher retention and are more productive



Data quality

Sujatha Sagiraju

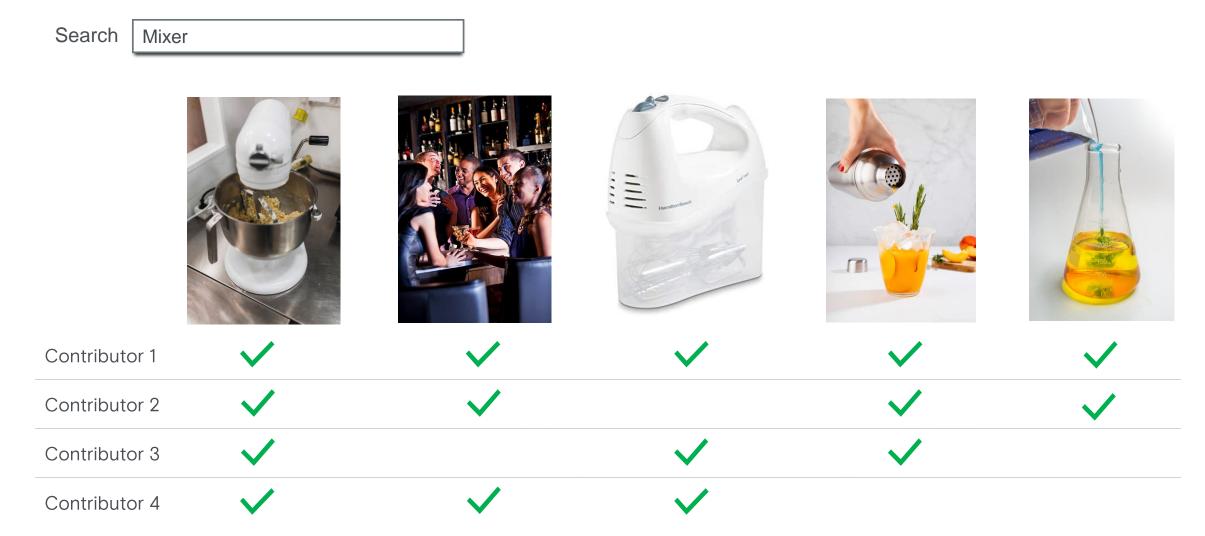




"If 80% of our work is data preparation, then ensuring data quality is the important work of a machine learning team"

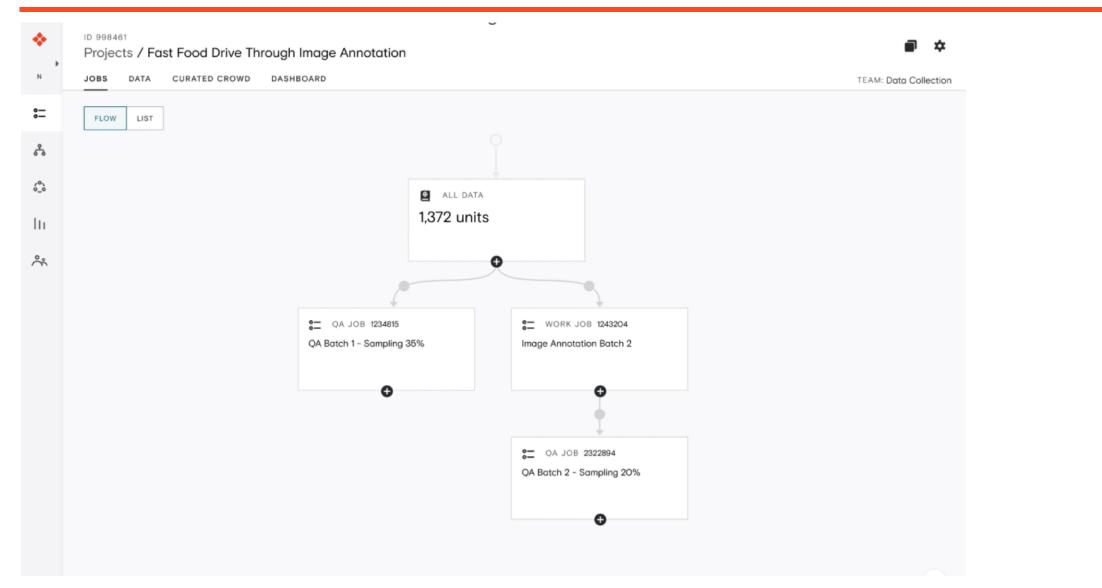
- Andrew Ng





Video demonstration of data quality features





Key points and benefits to the business



Quality remains critical to delivery of high quality training data Appen has built industry leading data quality capabilities into our platform

No-code interface simplifies quality management

Benefit to the business

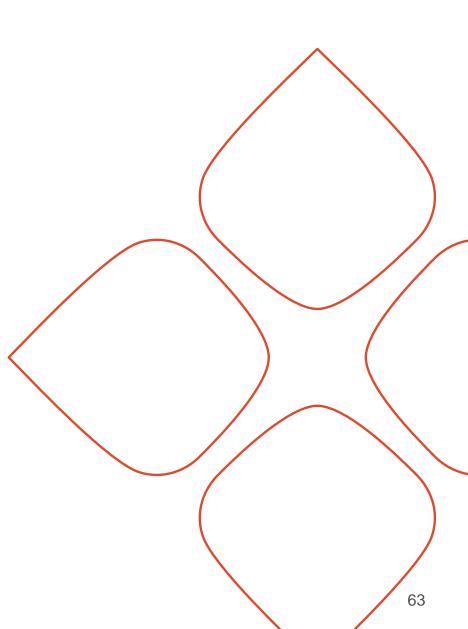
- Appen's 25 years of experience in delivering high quality training data is a competitive advantage
- Creates a competitive advantage, leading to increased revenue
- Improves the model performance for our customers

- Easier for customers to obtain high quality data
- Creates better value for our customers, improving retention

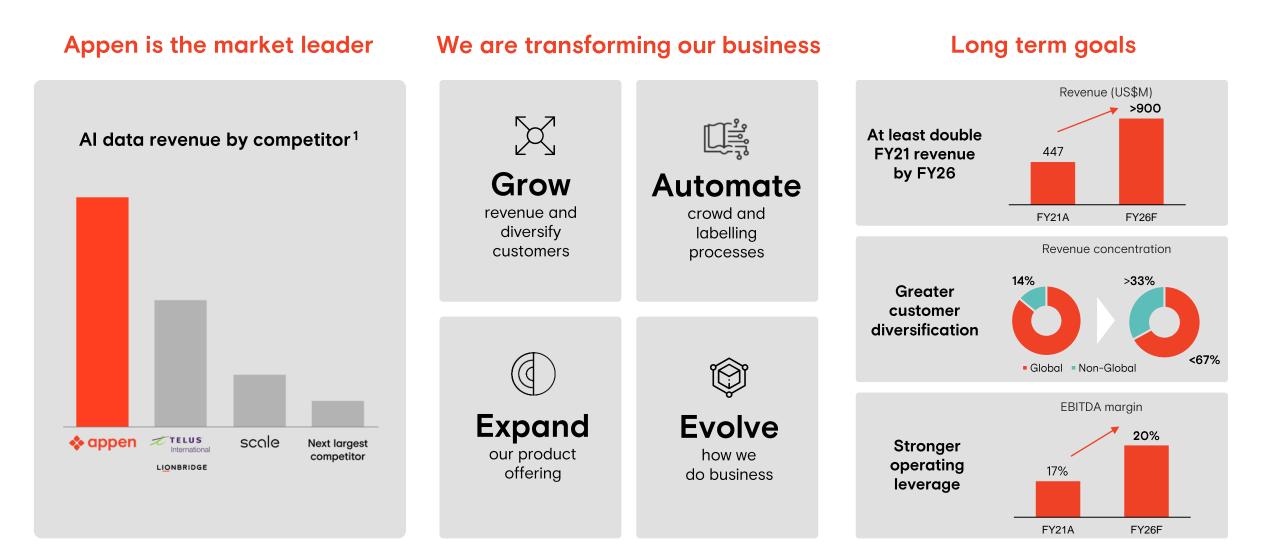


Closing

Mark Brayan









Questions

Thank you for your attendance

appen.com/investors