



Our Blockchain Journey





- Founded October 2017
- Address traceability and catch documentation challenges in the Pacific
- Utilise regional experience
- Complement existing solutions
- Provide good systems affordably
- Encourage Pacific innovations



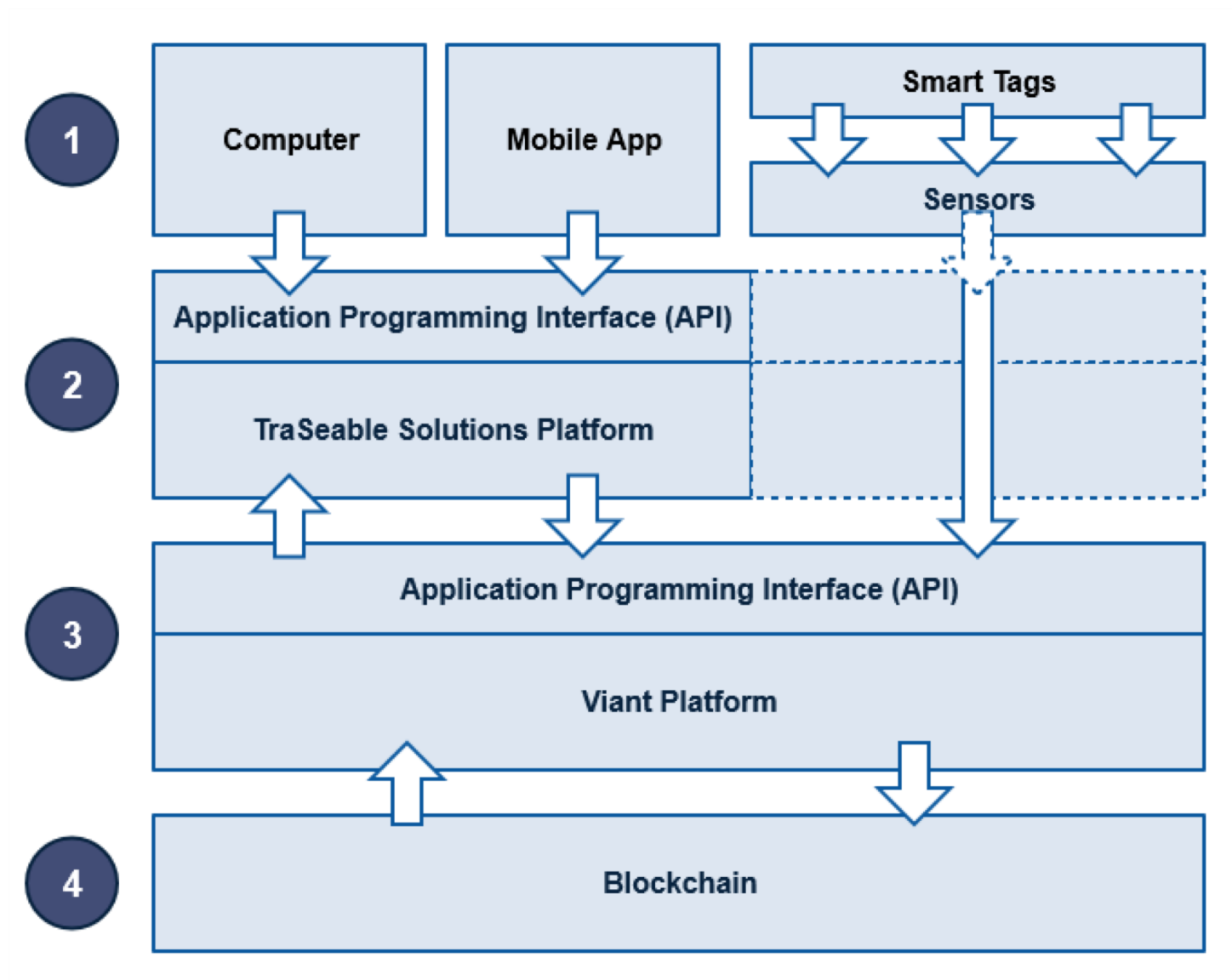


“You Wanna Make History?”





How we thought it would work

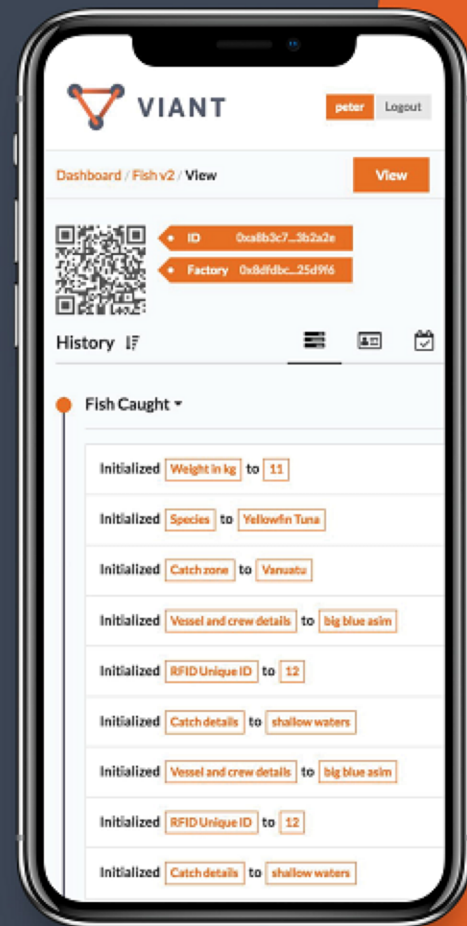
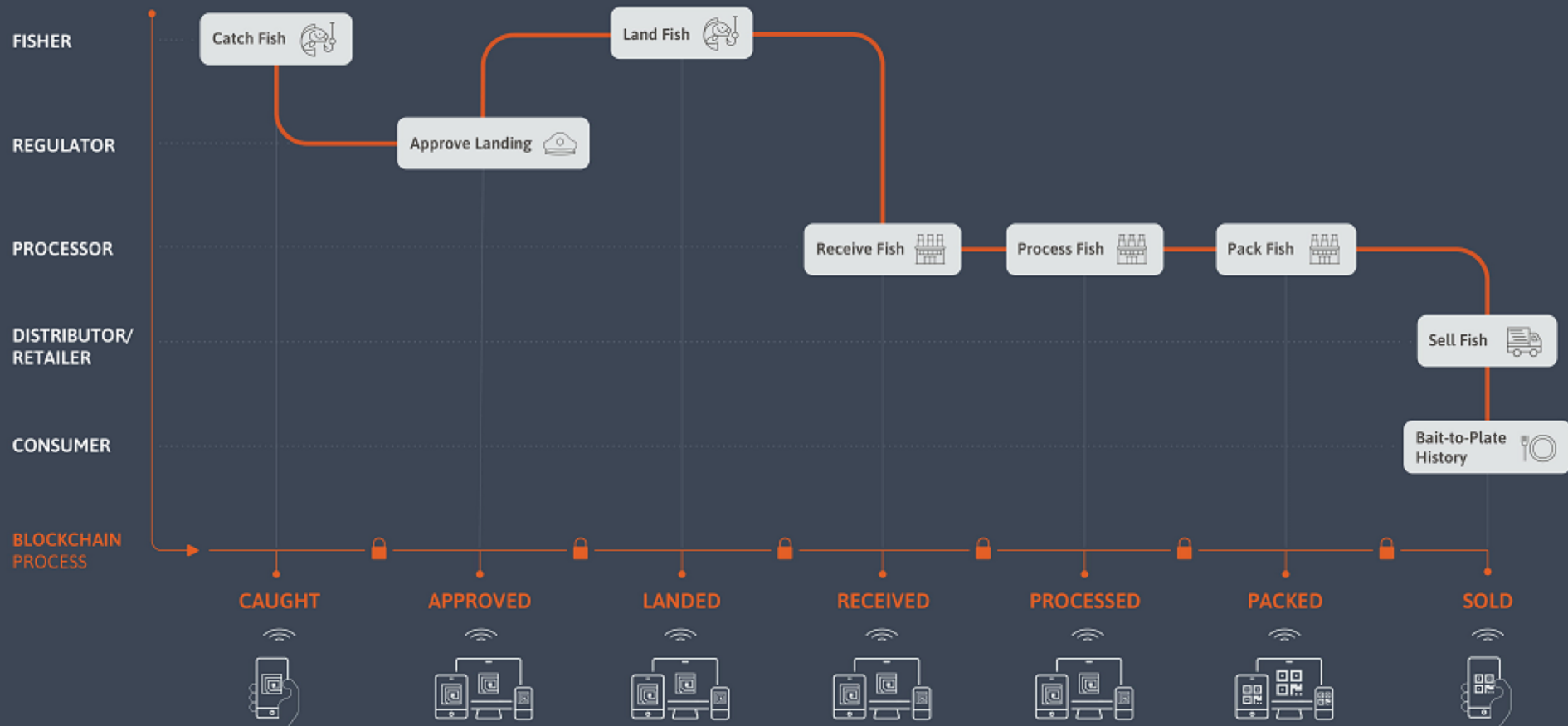




BETA CASE STUDY

Bait to Plate

Tuna traceability with the World Wide Fund for Nature (WWF)




The World Wildlife Fund for Nature participated in the Beta program to translate their Yellowfin tuna idea into a solution on Viant.






SPC Blockchain Prototype



ReportsManual Entry

Search by TXN hash or Fish ID



Sustainable Tuna Fisheries
accountability using Blockchain Tech.

Search by TXN hash or Fish ID

Review Latest OnChain Transactions by state.

Caught

Landed

Sampled

Received

Loined


Processed

Last five transactions synced to Blockchain

TXN	Gas Price	Gas
0x952e6dd030cc3256eed3757184435419d9d5a8277992db706dc15942a0d365e	100000000000	9342802
0x952e6dd030cc3256eed3757184435419d9d5a8277992db706dc15942a0d365e	100000000000	9342802
0x952e6dd030cc3256eed3757184435419d9d5a8277992db706dc15942a0d365e	100000000000	9342802
0x952e6dd030cc3256eed3757184435419d9d5a8277992db706dc15942a0d365e	100000000000	9342802
0x952e6dd030cc3256eed3757184435419d9d5a8277992db706dc15942a0d365e	100000000000	9342802


Fish Tracked
291

Fish Loins
1291



Pacific
Community
Communauté
du Pacifique

The Pacific Community (SPC) is the principal scientific and technical organisation in the Pacific region, proudly supporting development since 1947.
[Read More](#)



TRACEABLE
SOLUTIONS

TraSeable Solutions Pte Ltd is a Fijian tech start-up providing a collaborative traceability software-as-a-service product.
[Read more](#)

Txn No

Fish ID

Stages

Stages Off Chain

Search Fish Data

Go

OnChain Results > Landed Stage

Tag Id	Species	Unload (Start)	Unload (End)	Receiving Vehicle	Vessel Name	Weight (kg)
abc123	ALBACORE	12/02/2018 12:30	12/01/2018 02:30	ABC123	FLYING DUTCHMAN	23.2
abc123	YELLOWFIN	12/02/2018 12:30	12/01/2018 02:30	ABC123	DEEP SEA	74
abc123	ALBACORE	12/02/2018 12:30	12/01/2018 02:30	ABC123	TRICK DADDY	23.2 ▲
abc123	BLUEFIN	12/02/2018 12:30	12/01/2018 02:30	ABC123	JAZZY FONG	9.2 ▲
abc123	ALBACORE	12/02/2018 12:30	12/01/2018 02:30	ABC123	MADDEN 2013	42
abc123	BASS	12/02/2018 12:30	12/01/2018 02:30	ABC123	BELIZE BLUE	23
abc123	ALBACORE	12/02/2018 12:30	12/01/2018 02:30	ABC123	TRAGIC 3	22.91



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Txn No

Fish ID

Stages


Stages Off Chain

Search Fish Data

Go

Record Found:

✓ Verified



Species
Skipjack

Vessel:
SOLANDER

Unloading Port:
MAU-I-WALU

Trip Code: TSP193

Processing Facility: Lautoka Warf

Receival Grade: B+

Fish Tag ID: FFOOBAR111

Box ID: BAZBAR111

Product Form: WHOLE

Transaction ID: f33advveafe-eadff

01 JAN 2019

Caught
Fiji Waters
80kg**LANDED**
Suva
80kg -> 78kg
Verified by Port Sampler

Caught

Trip Code: T0010	Vessel Name: SOLANDER
Tag ID: 123FOO1	Species: Bigeye (BET)
Departure Port: LEVUKA	Departure Timestamp: 2018-01-01T01:00
Arrival Port: MUA-I-WALU	Arrival Timestamp: 2018-01-02T01:00
Set Start Time: 2018-01-01T03:00	Set Start Location: 7.55454545,18.56656566
Weight (kg): 23.5	Feature: LonglineActivity
Tag GUID: 8bee2149-82ea-bd76-39e9d5740ed0-1ada	Trace ID: 8bee2149-82ea-bd76-1ada-39e9d5740ed0
TUFMAN Metadata: TUFMAN2 ID=T15454545445454545454545455 / Timestamp=2018-01-02T02:00 / Source=OnBoard / Entered by=stevemb@spc.int	
Transaction ID: From Local Storage	

Landed



Many, many lessons

- Need good digital systems
- Can be implemented cost-effectively
- Requires trial and error
- Automation through IoT devices and sensors challenging
- Not a replacement for centralised databases
- Only put data on the blockchain that you want to track
- Address demand for traceable products





What's next?

- Regular supply of blockchain-tracked tuna into NZ
- Scale up
 - Onboard more companies in Fiji
 - Expand into the Pacific
- Explore Pacific agriculture value chains





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