

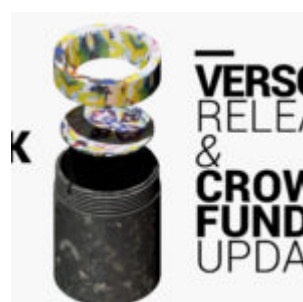
## APPLICATION FORM - Submission Details

**Submission Date : 29/01/2019 2:35 am**

<b>Unique Submission ID</b>	10
<b>Terms and Conditions acceptance</b>	Yes
<b>First Name</b>	Rui
<b>Middle Name</b>	
<b>Last Name</b>	Peng
<b>Artistic Name</b>	
<b>Team Members</b>	1
<b>Nationality</b>	New Zealand
<b>Gender</b>	Male
<b>Date of Birth</b>	
<b>Mobile Number</b>	
<b>Country</b>	New Zealand
<b>State / Province</b>	Auckland
<b>Town / City</b>	Auckland
<b>Street Address 1</b>	
<b>Street Address 2</b>	
<b>Postcode / Zip</b>	
<b>University (just for students)</b>	
<b>Document</b>	
<b>Document Number</b>	

<b>Prize Category</b>	Design
<b>Project Title</b>	Funk Bin - Modular Recycling Plastic Bins made from Recycled Plastic
<b>Source of the used material</b>	Used Car Bumpers, Plastic Bags, Food Industry Plastic Packaging, Industrial Plastic Packaging, Commercial Plastic Wastes
<b>Type of plastic involved</b>	HDPE, LDPE, PP, PLA, PS, ABS - can use all types except PVS, and Vinyl.
<b>Other materials involved</b>	None.
<b>Years of production</b>	One. This is a start up product and we plan to commence production by July 2019.
<b>Edition</b>	
<b>Weight and Dimensions</b>	320mm diameter by 350mm tall modules. 7-15KG.
<b>Manufactured by</b>	Critical Design (my company)
<b>Describe your project accurately and how you developed your idea</b>	<p>The Funk Bin is a funky and modular recycling bin made from 100% recycled consumer, commercial and industrial plastic waste using our unique manufacturing and recycling process. Its purpose is to offer customisation and choice to household or commercial plastic separation, while changing the behaviours and attitudes towards recycling. It comes in 30L modules which can be screwed together to form 60L bins for the office, retail or restaurants. The lids come in different colour mixes, so each bin help businesses to and identify separate their waste streams. Each unique colour mix are 'Critical' special mixes made directly from a particular plastic waste stream. For example, blues come from plastic milk bottle lids. Once a Funk bin has reached an end of life, it can then be recycled into new FUNK bins and the circular cycle continues. We were approached by significant NZ waste, recycling and compost collection companies who told us on several occasions that was a need for smaller bins at home, office, supermarket and retail and restaurant industries. We have since conducted many months testing, prototypeing and end user interviews to understand and solve their problem - which is how we came up with the design.</p>

Picture 1 - Cover



**Picture 2 - Designer Portrait**



**Picture 3**



**Picture 4**



**Picture 5**



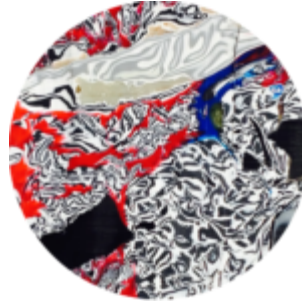
**Picture 6**



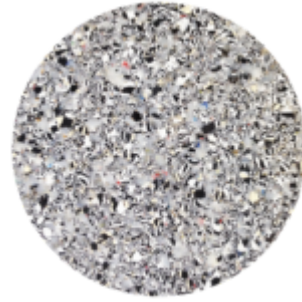
**Picture 7**



**Picture 8**



**Picture 9**



**Picture 10**



**URL**

<https://www.youtube.com/watch?v=QUVFy26vjUw>

**URL**

**URL**

**URL**

**Email**

**Modified Date**