tose wi	DELIVERABLE	PROTOCOL	LINK	COMPLE-TION (1-10)
	communication channels			
	contributor log	to get attribut	http://opensourceecology.org/wiki/Contributor_Log_Form	
	team			
	status			
	CRITICAL ELEMENTS		http://opensourceecology.org/wiki/Critical_Dev_Path_v9/21/13	
1	DASHBOARD - the intro page	http://opensou	http://opensourceecology.org/wiki/xxx_-_Dashboard	
2	REQUIREMENTS - what is needed	http://opensou	http://opensourceecology.org/wiki/xxx_-_Requirements	
3	MODULES - breakdown of machine	http://opensou	http://opensourceecology.org/wiki/xxx_-_Modules	
4	INTERFACE DESIGN - how the mo	http://opensou	http://opensourceecology.org/wiki/xxx_-_Interface_Design	
5	CONCEPT - first step in actual desig	http://opensou	http://opensourceecology.org/wiki/xxx_-_Concept	
6	INDUSTRY STANDARDS - and hist	http://opensou	http://opensourceecology.org/wiki/xxx_-_Industry_Standards	
7	TECH TREE OF CHOICES - specify	http://opensou	http://opensourceecology.org/wiki/xxx_-_Tech_Tree_of_Choices	
8	CALCULATIONS	http://opensou	http://opensourceecology.org/wiki/xxx_-_Calculations	
9	3D CAD	http://opensou	http://opensourceecology.org/wiki/xxx_-_3D_CAD	
10	2D CAD	http://opensou	http://opensourceecology.org/wiki/xxx_-_2D_CAD	
11	CAM Files - DXF, milling, etc	http://opensou	http://opensourceecology.org/wiki/xxx_-_CAM_Files	
12	HYDRAULICS DIAGRAMS	http://opensou	http://opensourceecology.org/wiki/xxx_-_Hydraulic_Diagrams	
13	BILL OF MATERIALS	http://opensou	http://opensourceecology.org/wiki/xxx_-_Bill_of_Materials	
14	CUT LIST	http://opensou	http://opensourceecology.org/wiki/xxx_-_Cut_List	
15	FABRICATION DRAWINGS	http://opensou	http://opensourceecology.org/wiki/xxx_-_Fabrication_Drawings	
16	EXPLODED PARTS DIAGRAM	http://opensou	http://opensourceecology.org/wiki/xxx_-_Exploded_Parts_Diagram	
17	REVIEW	send to forum:	http://opensourceecology.org/wiki/xxx_-_Module_-_Review	
18	BUILD INSTRUCTIONS	http://opensou	http://opensourceecology.org/wiki/xxx_-_Module_-_Build_Instructions	
19	LANGUAGE AGNOSTIC INSTRUCT	see http://oper	http://opensourceecology.org/wiki/xxx_-_Language_Agnostic_Instructionals	
20	BUILD TIME LAPSE	http://opensou	http://opensourceecology.org/wiki/xxx_-_Build_Time_Lapse	
21	BUILD PICTURES	http://opensou	http://opensourceecology.org/wiki/xxx_-_Build_Pictures	
22	BUILD VIDEO	http://opensou	http://opensourceecology.org/wiki/xxx_-_Build_Video	
23	DOZUKI INSTRUCTIONAL PROCE	http://opensou	http://opensourceecology.org/wiki/xxx_-_Dozuki_Instructional_Procedure	
24	DESIGN PROBLEM STATEMENT	http://opensou	http://opensourceecology.org/wiki/xxx_-_Design_Problem_Statement	
25	**DESIGN COLLABORATION**	focus is on file		
26	Range of Motion Design	http://opensou	http://opensourceecology.org/wiki/xxx_-_Range_of_Motion_Design	
27	3D CAD Review	http://opensou	http://opensourceecology.org/wiki/xxx_-_3D_CAD_Review	
28	Bolting Pattern	Show visual re	http://opensourceecology.org/wiki/xxx_-_Bolting_Pattern	
29	CAE analysis (structural, drag, therm	http://opensou	http://opensourceecology.org/wiki/xxx_-_CAE_Analysis	
30	Functional Diagram	http://opensou	http://opensourceecology.org/wiki/xxx_-_Functional_Diagram	
31	3D Assembly Animation	http://opensou	http://opensourceecology.org/wiki/xxx_-_3D_Assembly_Animation	
32	Visual Bill of Materials	Take a Bill of M	http://opensourceecology.org/wiki/xxx_-_Visual_Bill_of_Materials	
33	Sketchup Layers to Build Sequence	http://opensou	http://opensourceecology.org/wiki/xxx_-_Sketchup_Layers_to_Build_Sequence	
34	Sketchup to Instructional	http://opensou	http://opensourceecology.org/wiki/xxx_-_Sketchup_to_Instructional	
35	Conversion of Sketchup to Rendere	take a sketchu	http://opensourceecology.org/wiki/xxx_-_Sketchup_to_Rendered_Animation	
36	**ELECTRICAL**			
37	Logic Diagram	http://opensou	http://opensourceecology.org/wiki/xxx_-_Logic_Diagram	
38	Electronics Schematics	post a circuit d	http://opensourceecology.org/wiki/xxx_-_Electronics_Schematics	
39	Electronics Layout	use a layout e	http://opensourceecology.org/wiki/xxx_-_Electronics_Layout	
40	Wiring Diagram	post a wiring d	http://opensourceecology.org/wiki/xxx_-_Wiring_Diagram	
41	Software	upload control	http://opensourceecology.org/wiki/xxx_-_Software	
42	Firmware		http://opensourceecology.org/wiki/xxx_-_Firmware	
43	**GRAPHICS, ANIMATION, EXPLAIN**			
44	Machine/Module Infographic	http://opensou	http://opensourceecology.org/wiki/xxx_-_Machine_Infographic	
45	How it Works + Logic	basic physics/	http://opensourceecology.org/wiki/xxx_-_How_It_Works	
46	Design Rationale	http://opensou	http://opensourceecology.org/wiki/xxx_-_Design_Rationale	
47	Explainer Video Script	http://opensou	http://opensourceecology.org/wiki/xxx_-_Explainer_Video_Script	
48	Explainer Video	http://opensou	http://opensourceecology.org/wiki/xxx_-_Explainer_Video	
49	Exploded Part Animation	http://opensou	http://opensourceecology.org/wiki/xxx_-_Exploded_Part_Animation	
50	**RAPID PROTOTYPING / TEST-DRI**			
51	test-driven partial prototype test pro	design a simp	http://opensourceecology.org/wiki/xxx_-_Test-Driven_Prototype	
52	Model Laser Cutting 2D File	http://opensou	http://opensourceecology.org/wiki/xxx_-_Laser_Cutter_File	
53	Model Laser Cutting	http://opensou	http://opensourceecology.org/wiki/xxx_-_Model_Laser_Cutting	
54	Buildout of Laser-Cut Model	http://opensou	http://opensourceecology.org/wiki/xxx_-_Build_of_Laser_Cut_Model	
55	Model Build Pictures	http://opensou	http://opensourceecology.org/wiki/xxx_-_Model_Build_Pictures	
56	Model Dozuki Instructional	take the scale	http://opensourceecology.org/wiki/xxx_-_Model_Dozuki_Instructional	
57	Partial Prototype Build, Video, and F	see OSE_Rap	http://opensourceecology.org/wiki/xxx_-_Partial_Prototype_Build	
58	Partial Prototype Data Collection	document time	http://opensourceecology.org/wiki/xxx_-_Partial_Prototype_Data_Collection	
59	**BUILD PREPARATIONS**			
60	Shot List	http://opensou	http://opensourceecology.org/wiki/xxx_-_Shot_List	
61	Workshop Map and Workflow	post a map of	http://opensourceecology.org/wiki/xxx_-_Workshop_Map_and_Workflow	
62	Master Review Checklist for Build P	http://opensou	http://opensourceecology.org/wiki/xxx_-_Master_Preparation_Checklist	
63	Fabrication Diagram	http://opensou	http://opensourceecology.org/wiki/xxx_-_Fabrication_Diagram	
64	List of Tools, Consumables, Infrastru	http://opensou	http://opensourceecology.org/wiki/xxx_-_Tools_and_Infrastructure	
65	**BUILD AND BUILD REVIEW**			

66	Build Time Data	http://opensou	http://opensourceecology.org/wiki/xxx_-_Build_Time_Data	
67	Quality Control Checklist (Includes S	https://docs.gc	http://opensourceecology.org/wiki/xxx_-_Quality_Control_Checklist	
68	Prototype and Build Review - note -	http://opensou	http://opensourceecology.org/wiki/xxx_-_Prototype_and_Build_Review	
69	**TESTING AND DATA COLLECTIOI**			
70	Test Procedures and Data Collectior	http://opensou	http://opensourceecology.org/wiki/xxx_-_Test_Procedures_and_Data_Collection	
71	Suggestions and Solutions towards	https://docs.gc	http://opensourceecology.org/wiki/xxx_-_Review_Suggestions	
72	**ENTERPRISE**			
	Legal	http://www.lex		
73	Operating manual	publish a guid	http://opensourceecology.org/wiki/xxx_-_Operating_Manual	
74	economic analysis	discuss mater	http://opensourceecology.org/wiki/xxx_-_Economic_Analysis	
75	collaborative production business m	develop a mod	http://opensourceecology.org/wiki/xxx_-_Collaborative_Production_Business_Model	
76	Development Workflow Infographic	http://opensou	http://opensourceecology.org/wiki/xxx_-_Development_Workflow_Infographic	
77	Event Organization	http://opensou	http://opensourceecology.org/wiki/xxx_-_Event_Organization	
78	Machine / Module Manual	Publish a user	http://opensourceecology.org/wiki/xxx_-_Manual	
			OVERALL PERCENTAGE OF COMPLETION:	**0.00**

Master Development Process Steps	Covered?
Performance Requirement for each machine (repository)	yes
Uploading draft spec for each machine based on performance requirements (including data)	no
Produce product roll schedule out based on Strategic goals and objectives	no
Assign an estimated build completion date	no
ID Human resources needed	no
Recruit for HR resources	no
Source number of camera people with gear at builds (in KC)	no
Research	no
ID Materials	no
Source Materials for R & D	no
Evaluate RC Product Concept Inputs	no
Refine Requirement for machine	no
ID motors and cylinders that will be used in Machine	no
Approve and document for accountability Baseline Requirements	no
Outline basic structure (stick drawing)	no
Create Product Concept	no
Review Product Concept	no
Approve Baseline Product Concept	no
Design Team moved to 3D designing	no
Create infographic	no
Upload infographic to Dozuki	no
Create or establish Dozuki /Development template	no
Build Product Development Schedule - ID completion date	no
Integrating Product Plan into a Master schedule (PM)	no
DPV oriented to materials being used - video created	no
Divide machine into modules	no
Divide modules into assemblies or components	no
Assign modules/components to DPVs	no
Review of OSE Design Tenets - chance for PL to provide additional design concerns	no
Design Basic Frame Assembly	no
Design basic sub assembly / modules	no
Upload versions of CAD modules to wiki daily/hourly	no
External Review of design	no
Approve Baseline of Frame, sub assemblies, modules	no
Compile all frames into one CAD file	no
Verify interface functionality	no

Calculation of basic structure movement	no
Geometry ROM	no
Fasteners/bolt pattern	no
Basic Design	no
Informal Designer review	no
Redesign?	no
QA/Redesign if necessary	no
Redesign?	no
Design Hydraulics Schematics	no
Controls Schematics	no
Pulley/motor placement	no
Fasteners/bolt pattern	no
Geometry ROM	no
Structural and systems analysis	no
QA redesign if necessary	no
Redesign?	no
Build scaled down prototype	no
identify issues	no
design iteration to include issue resolution	no
Develop test strategy to determine what requirements to test	no
develop implementation of test plan to identify if/what outside testing resources are needed	no
Accept design based on success of scale model	no
BOM	no
ID support equipment - safety gear	no
source parts and materials	no
create DXF/STL file	no
Order support equipment	no
work instructions	no
instructions to DM to identify triggers for script	no
Material order	no
Materials delivered to FeF	no
Materials inventories inspected	no
develop work flow of build - include assigning people (Flow of work through time, space and people)	no
Include documentation points - what needs to be documented	no
include in work flow that each module (central activity hub) has dedicated documentor at build	no
Every documentor has smart phone with dozuki app	no
create cut list	no
document work flow on whiteboard in workshop	no
safety briefing	no
cut materials	no
begin documentation of lessons learned (feeds)	no

Basic module assembly	no
assemble basic sub assemblies /modules	no
assemble basic frame (Ex. Rolling chassis)	no
Integration of electronics, control systems, etc.	no
final assembly of machine	no
Visual conflict inspection	no
safety inspection	no
functional test	no
QA - loops back to appropriate build phase step as needed	no
approve build	no
operational tests	no
field test (failure, actual load capacity, etc.)	no
prototype assessment	no
update end user design and work instructions	no
Decision - Video instructional or not	no
delivery prep - break edge, OSE Label, Final Photos with build participants	no
Compile video and photos for DM to deliver to assistant editors	no
Material to team of remote cards loggers and assistant editors	no
Organize material into stock footage library	no
Organize stock footage library for editing and or 3rd party use	no
3rd party use	no
Develop scrips	no
Graphics development	no
Edit stock video	no
music library	no
edit video into a documentary series and or promo films	no
record voice following video script	no
email voice record to DM	no
Compile documentary series and promo films for fans and funders	no
assign team to documentation tasks	no
create dozuki instruction manuals (photos, video & graphics)	no
QA Dozuki Manuals [1]	no
Publish Dozuki Manuals	no
Develop How to Instructional Videos	no
QA How to instructional videos	no
Publish Dozuki Manuals	no

[1] How are we going to assess instructions? Internal review or end user or both?

Does the script come from Dozuki manual for instructional video?