Future Farms Pte Limited
T/A Rooster Poultry

"Innovations for Higher Productivity"

2nd Team Excellence Competition 2022

TEAM MEMBERS

Team Facilitator
Manakiwai Tui

Team Leader
Sharon Reddy

Team Manager
Ajendra Kumar

Nanise Nai

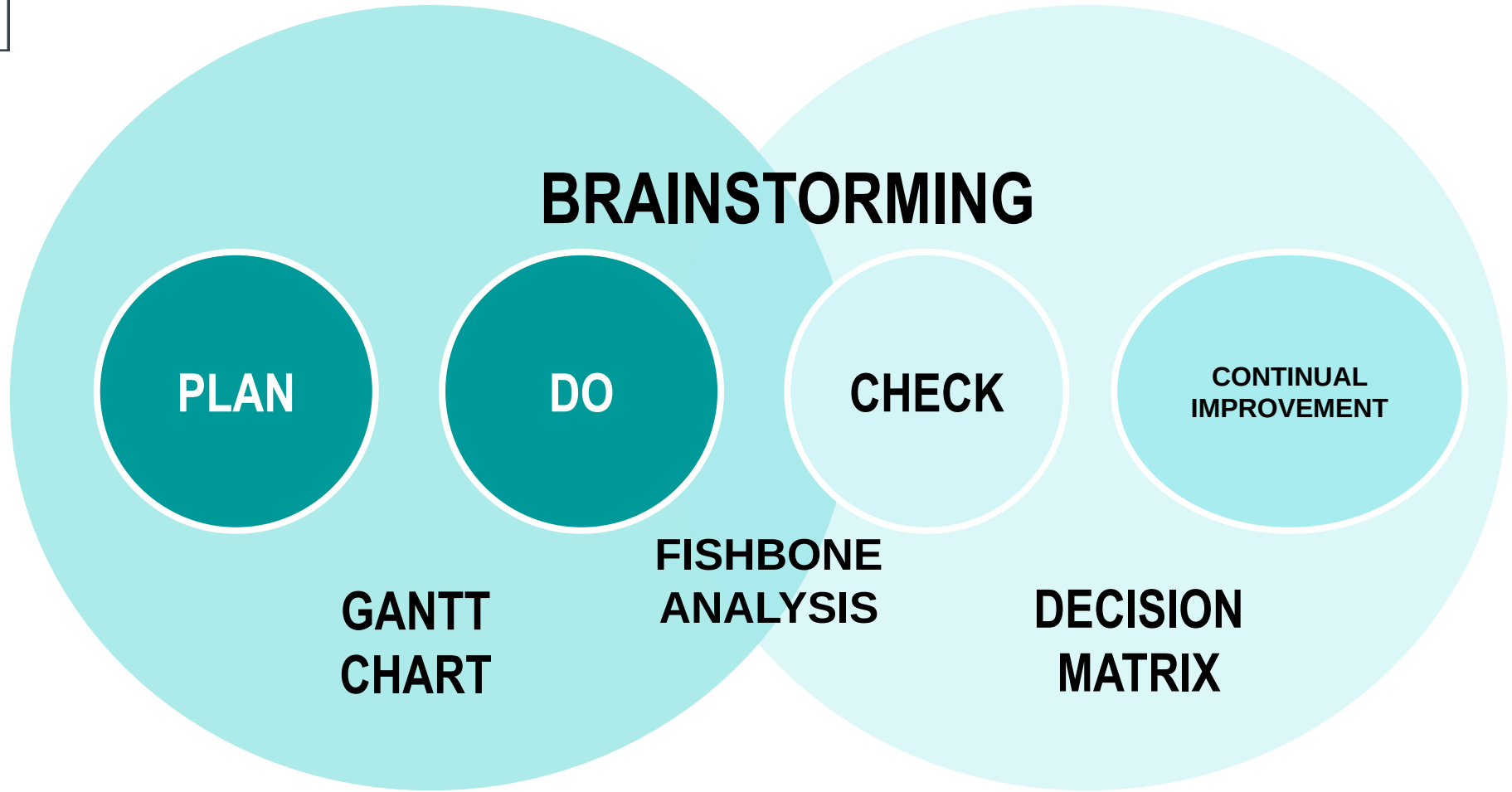
Shamal Lal

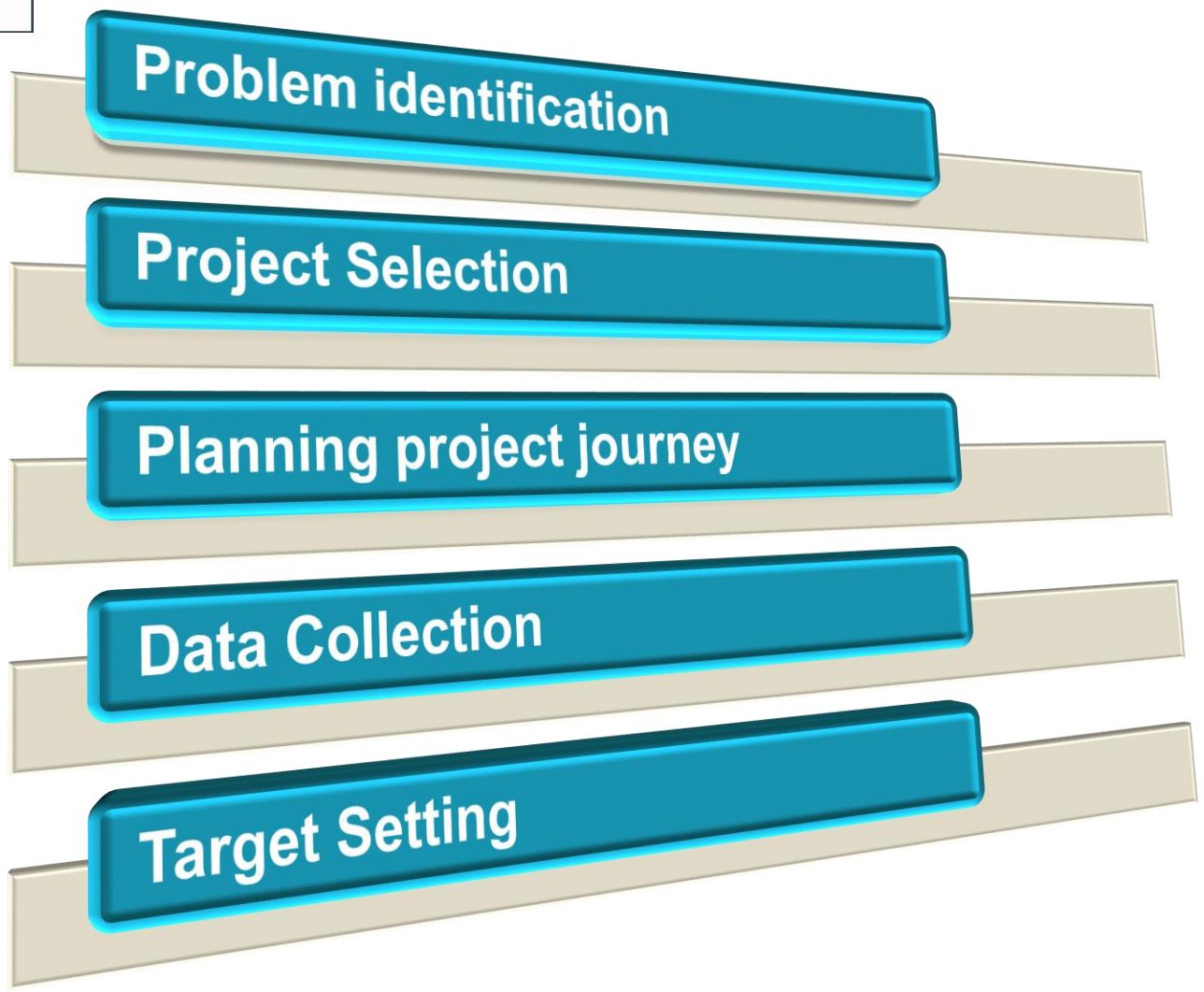
Viliame Sega

Alipate Domona

Adi Sainimili

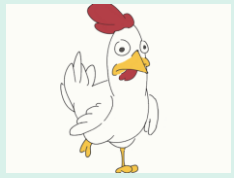
QUALITY CIRCLE TOOLS




Problem identification
Project Selection
Planning project journey
Data Collection
Target Setting

Plan Stage

GANTT CHART

PDCC	Company Name	Future Farms Limited T/A Rooster Poultry			
	Project Year	2021			
	Months	APR - MAY	JUN - SEPT	OCT - NOV	DEC – TILL DATE
	Project Task				
PLAN	• Project Identification • Project Selection • Data Collection				
DO	Implementation of Action Plan				
CHECK	Result Evaluation & Comparison				
CONTINUAL IMPROVEMENT	• To review the result • Sustainability & future project				

OPPORTUNITY

PROBLEM LOG

- Low broiler performance
- High shed temperature
- Reduced airflow in the shed
- Water wastage from cooling pad
- High air drafts during brooding time

rooster

DECISION MATRIX

TEAM PINNACLE

Criteria/ project type	Skills availability	Effectiveness of solution	Cost of implementation	Benefit of outcome	Total	Ranking
Scores	1-5	1-5	1-5	1-5		
Improve broiler performance (PIF)	4	4	4	4	16	1
Reduce shed temperature	4	4	3	4	15	2
Increasing air flow in the shed	4	3	3	4	14	3
Reducing water wastage from cooling pad	4	3	3	3	13	4
Low air drafts during brooding time	3	2	2	4	11	5

Rating: 1- Very low; 2- Low; 3- Medium; 4- High; 5- Very high

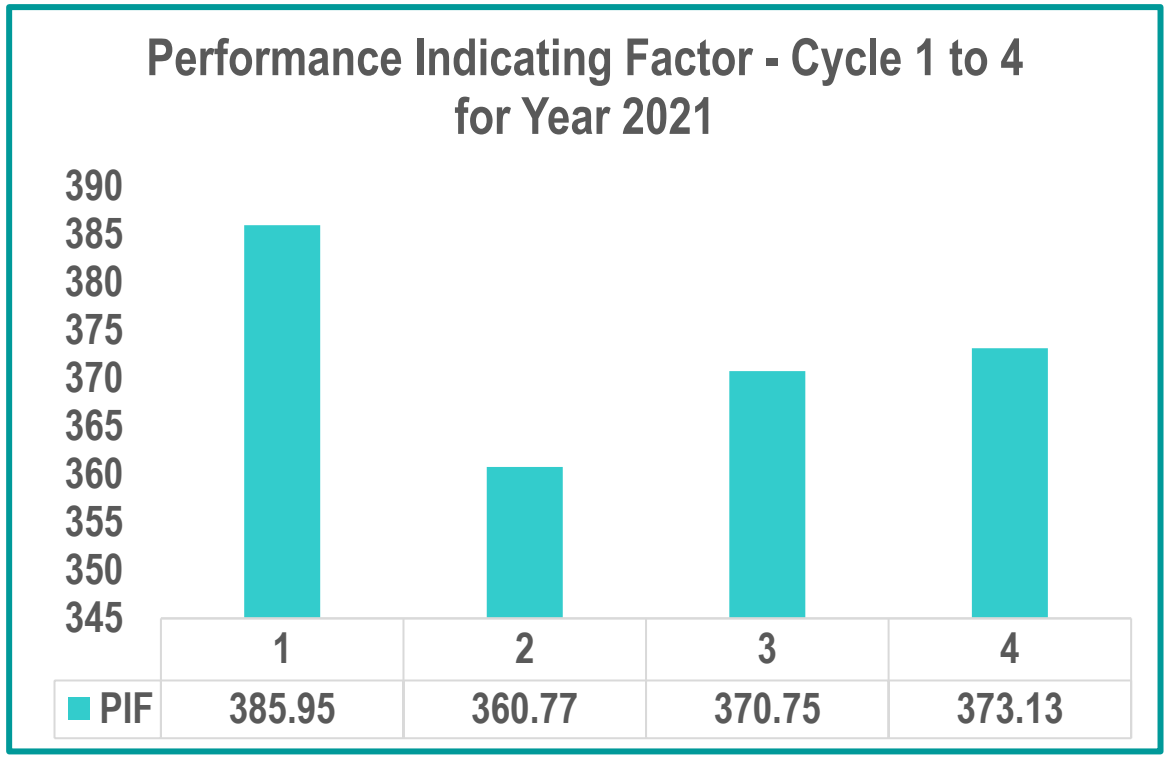
PROJECT IDEA

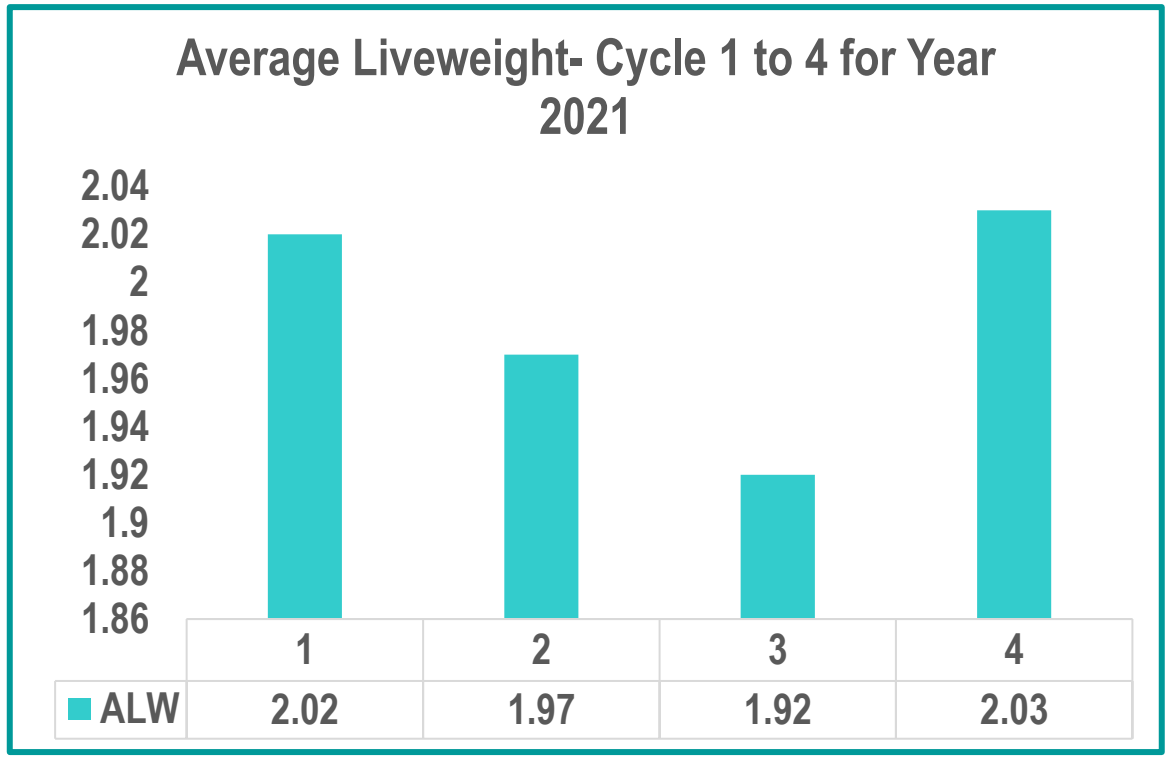
rooster

TEAM PINNACLE

IMPROVING BROILER PERFORMANCE

DATA COLLECTION

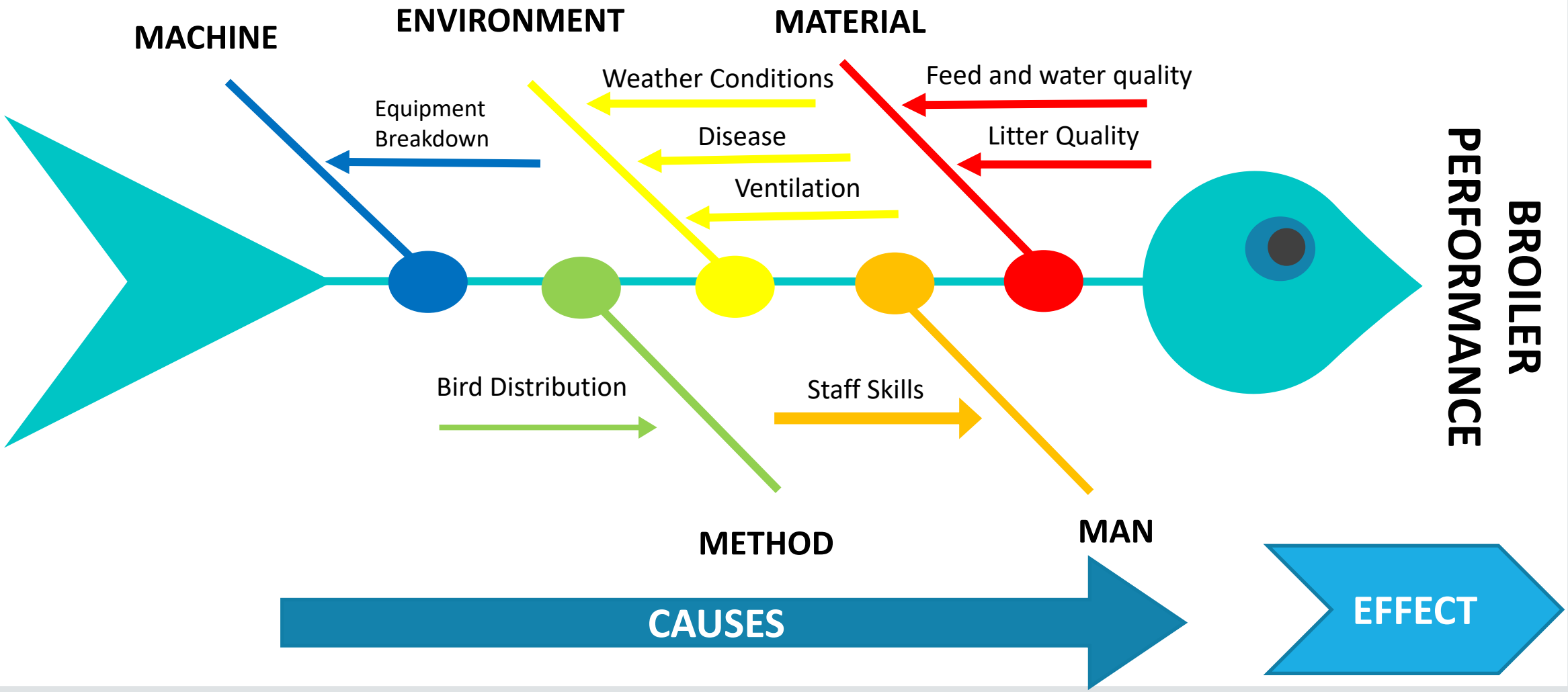




Compilation of the Performance indicating factor and average liveweight for the first 4 cycles.
Average PIF: 373.08
Average Liveweight: 1.98 Kg

PROJECT DEFINITION

FISHBONE ANALYSIS



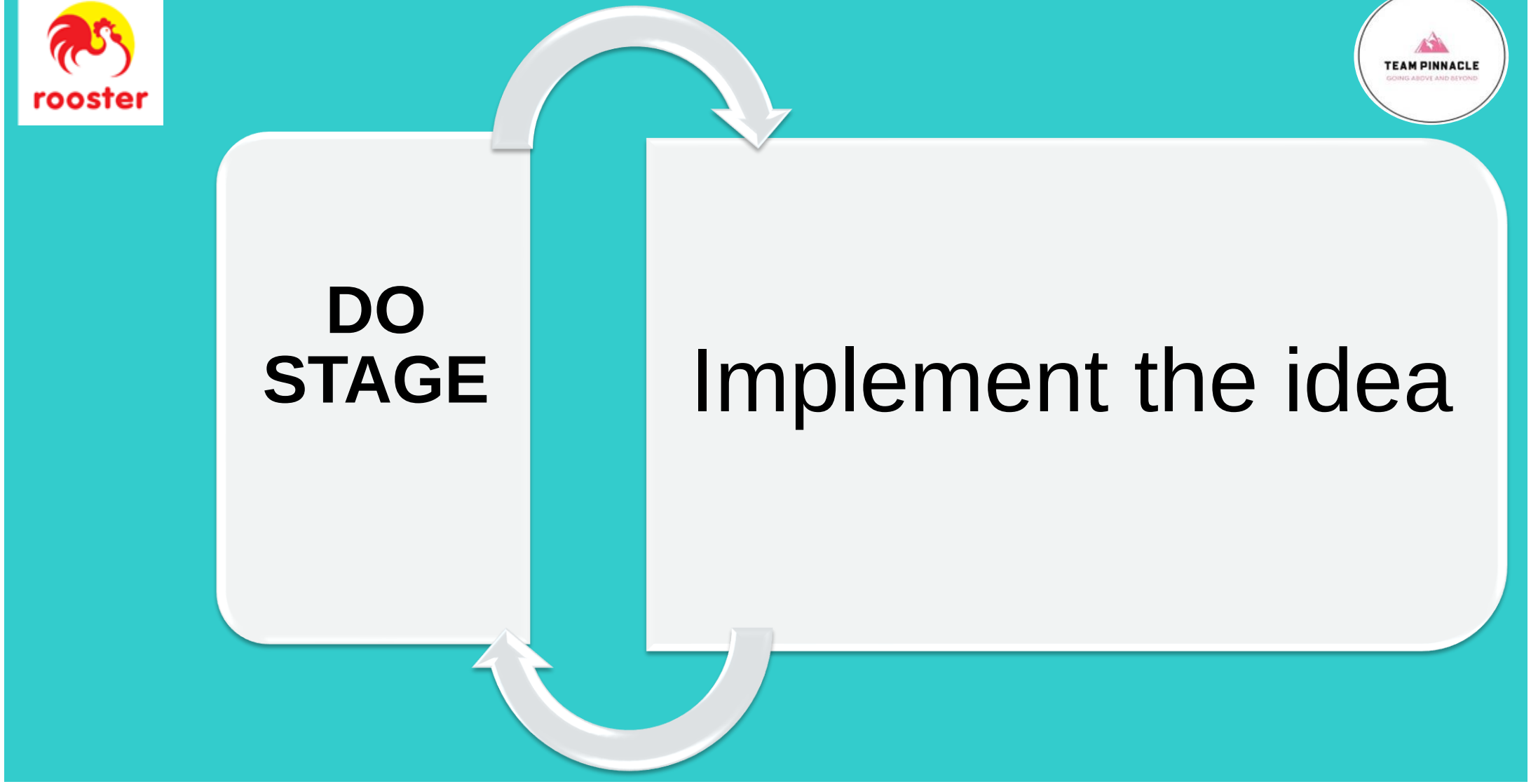
PROJECT DEFINITION

CAUSES	DESCRIPTION	PROBLEM	CORRECTIVE ACTION
MATERIAL	- Feed & water Quality - Wet Litter	- Mouldy feed and warm water - Bad odor and high downgrades	- Checking feed quality & flushing with water tank insulation - Proper litter management
MAN	- Management Skills	- New Staffs	- Proper training given to staffs about the management skills
MACHINE	- Shed equipment	- Equipment breakdown - Faulty tunnel fans	- Ensure all shed equipment's and fans are fully functional.
ENVIRONMENT	- Weather conditions - Disease challenge - Poor shed ventilation	- Tropical season due to geographical location - Temperature fluctuation - Disease outbreak	- Weather is uncontrollable - Strict biosecurity protocols and effective treatment strategies - Use of cooling pad and fans
METHOD	- Poor bird distribution	- Congestion of birds - Poor uniformity - Low Avg. live weight - Bird to drinker and feeder ratio affected	**????**

PROJECT DEFINITION

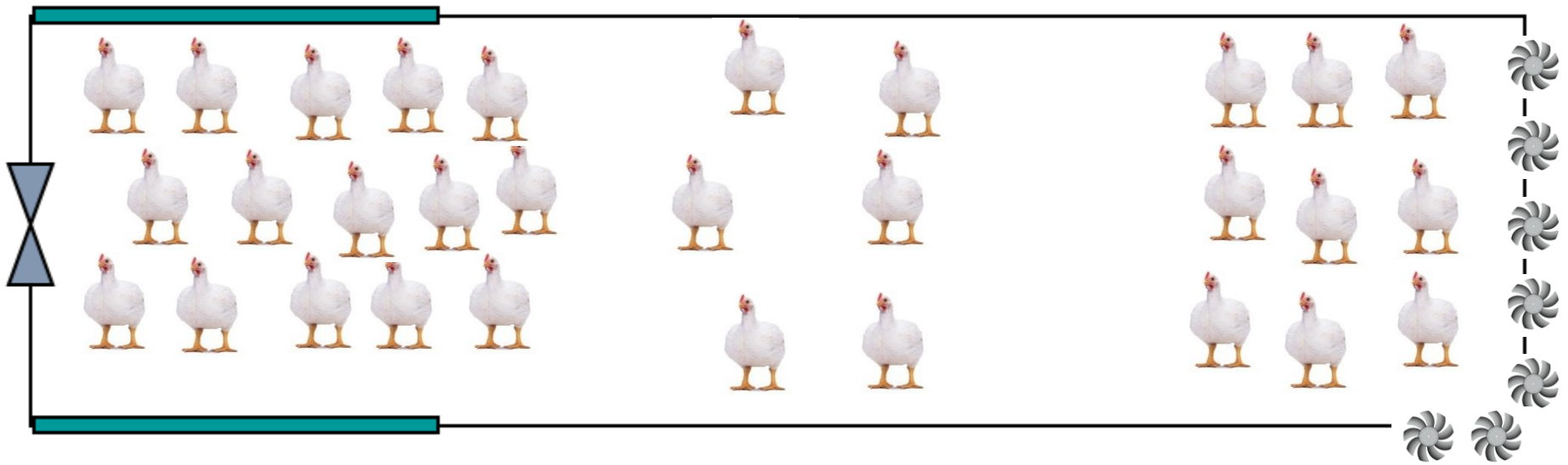
BRAINSTORMING

WHAT CAN WE DO TO IMPROVE POOR BIRD DISTRIBUTION?


rooster
TEAM PINNACLE
GOING ABOVE AND BEYOND
DO STAGE
Implement the idea

PROJECT DEFINITION

BRAINSTORMING



PROJECT DEFINITION

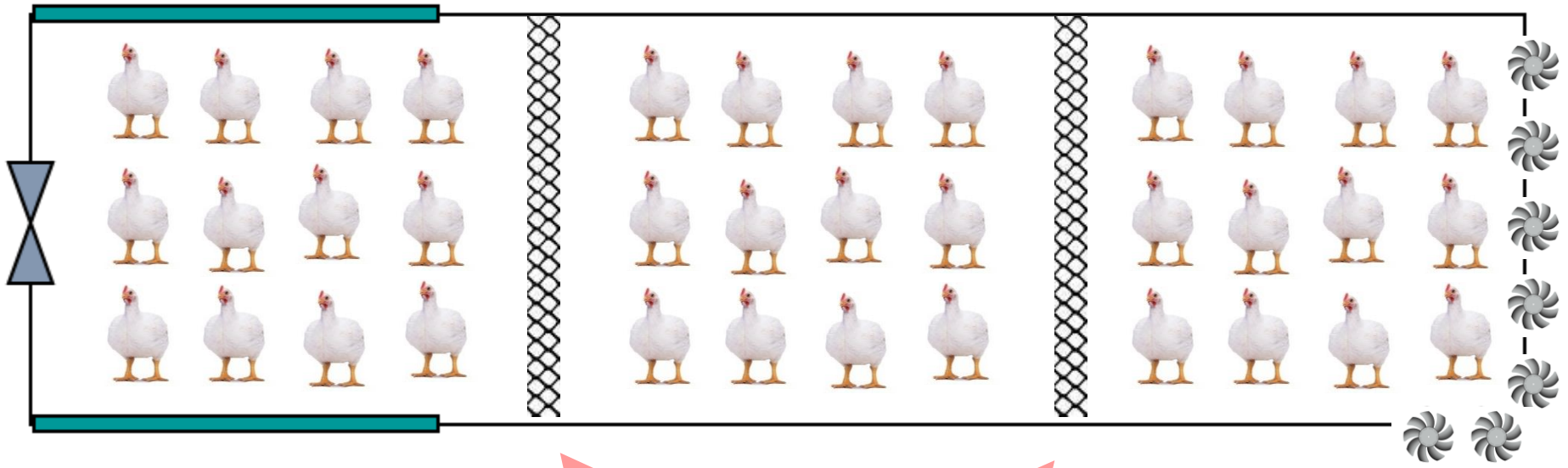
Negative Impacts of Poor Bird Distribution

1. Bird to feeder & drinker ratio
2. Overcrowding in areas resulting in mortality
3. Negative impact on uniformity
4. Less ADG -> Lower live weight
5. Downgrades- Scratches due to congestion

PROJECT DEFINITION

BRAINSTORMING

Even bird distribution



Gothic Mesh Barriers

What it looks like….

Gothic mesh barriers

Actual view inside the shed showing; - Proper bird distribution

- Stress free
- Good uniformity

TEAM PINNACLE
GOING ABOVE AND BEYOND

PROJECT TITLE

IMPROVEMENT OF BROILER PERFORMANCE WITH THE USE OF GOTHIC MESH BARRIERS

COST OF IMPLEMENTATION

Materials	Material Cost	Total Material Cost	Labor Cost	Total Cost
Gothic Mesh	$59.50/ sheet x 3 =$178.50	$327.50	$3.50/ hr x 16 hrs (2 labor/shed/day) =$56 /day /2 labor	$383.50/ shed x 6 shed =$2301
Round mild	$12.50/ length x 10 =$125			
Flat bar	$24/ bar x 1 =$24			

TEAM TARGETS

rooster

- IMPROVE THE PERFORMANCE INDICATING FACTOR (PIF) ≥ 400 POINTS
- TO MAINTAIN THE AVERAGE LIVEWEIGHT OF BIRD ≥ 2KG.

rooster

TEAM PINNACLE
GOING ABOVE AND BEYOND

CHECK STAGE

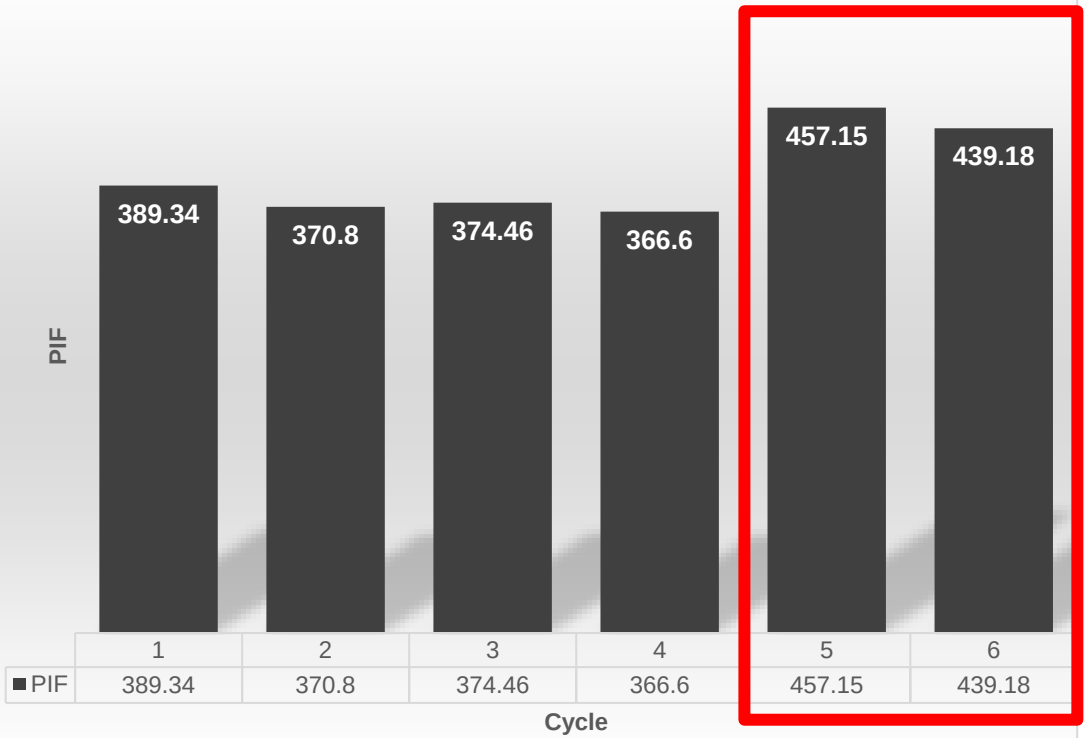
* Measure the effectiveness of the solution

* Analyze the results

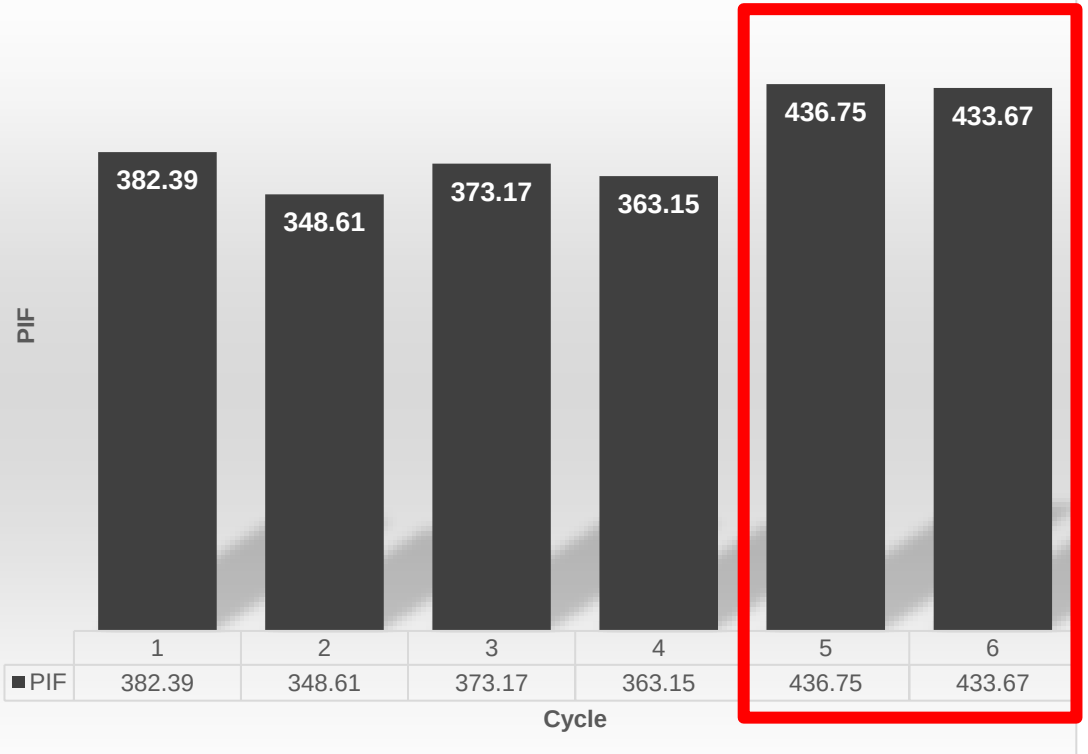
IMPACT ON PRODUCTIVITY

PERFORMANCE INDICATING FACTOR 2021

SECTION A

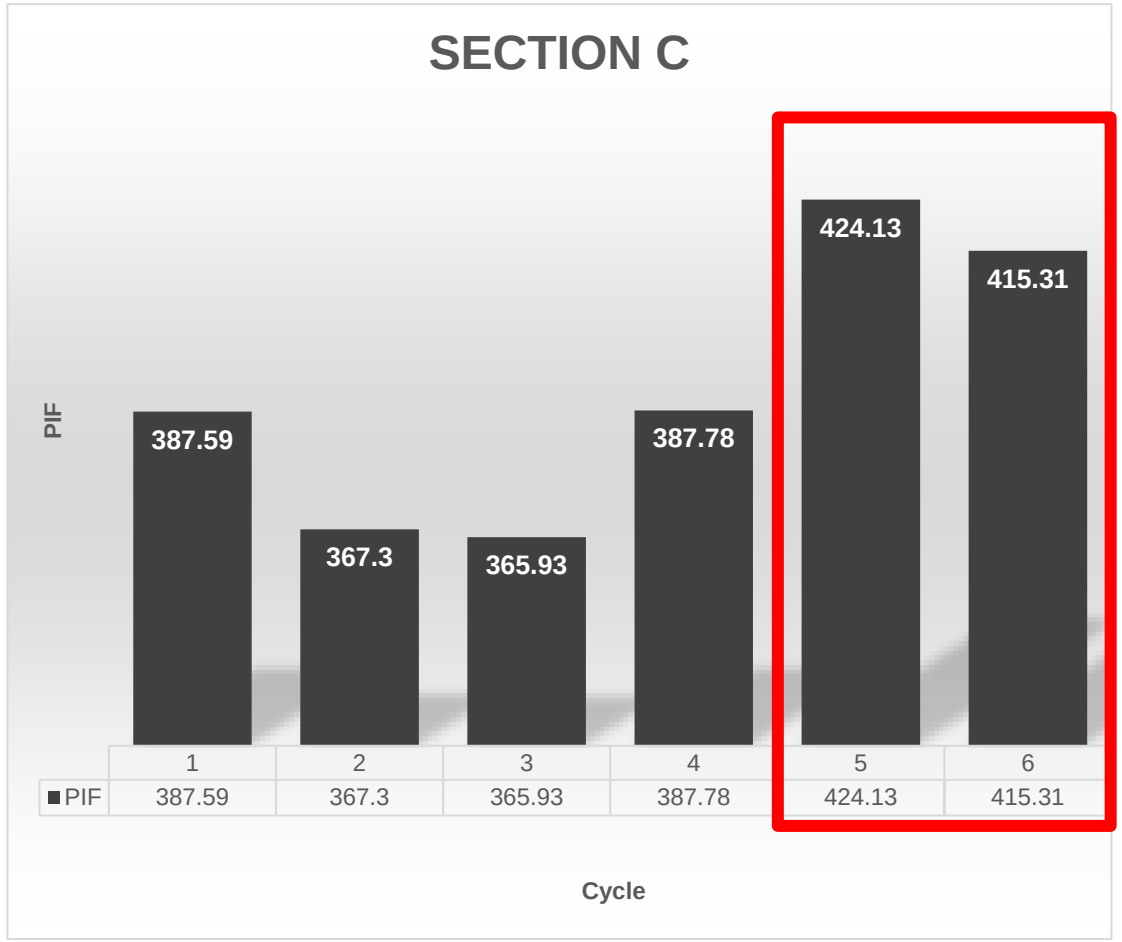


SECTION B



IMPACT ON PRODUCTIVITY

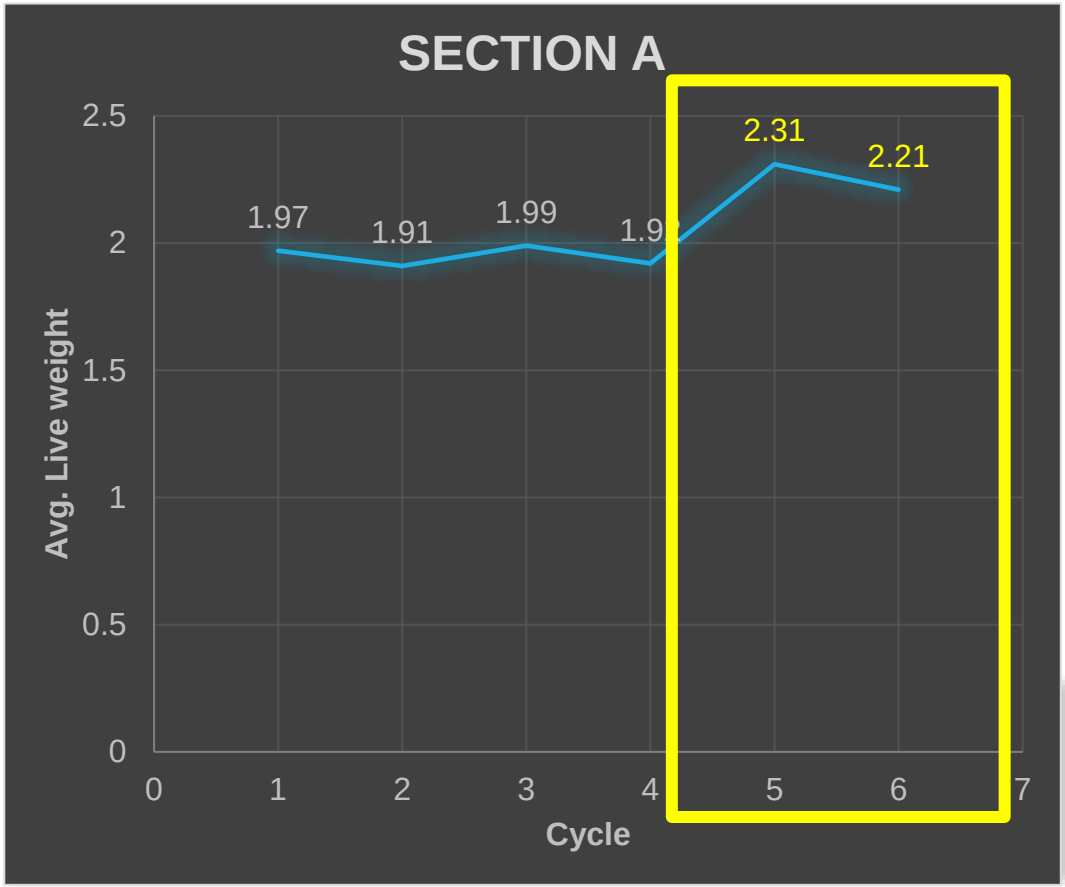
PERFORMANCE INDICATING FACTOR 2021

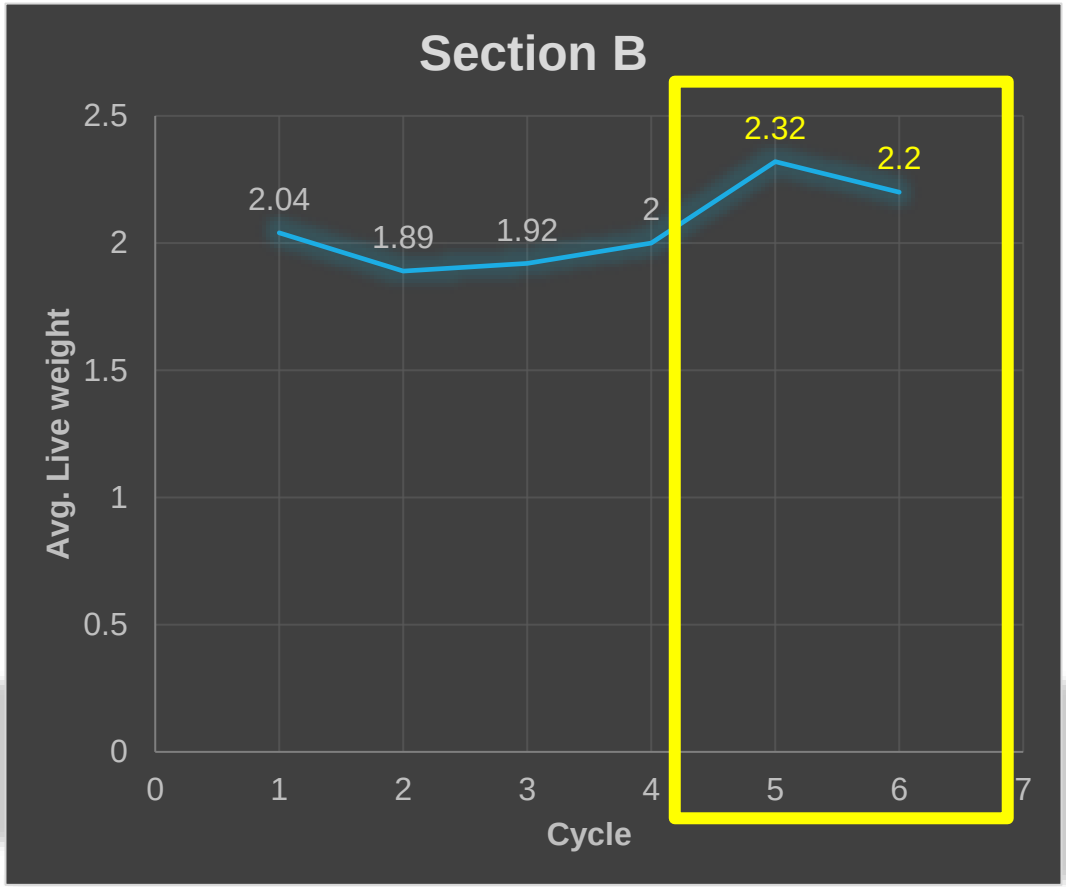


The trial started from cycle 5 for all sections where the PIF recorded was ≥400 points.

IMPACT ON PRODUCTIVITY

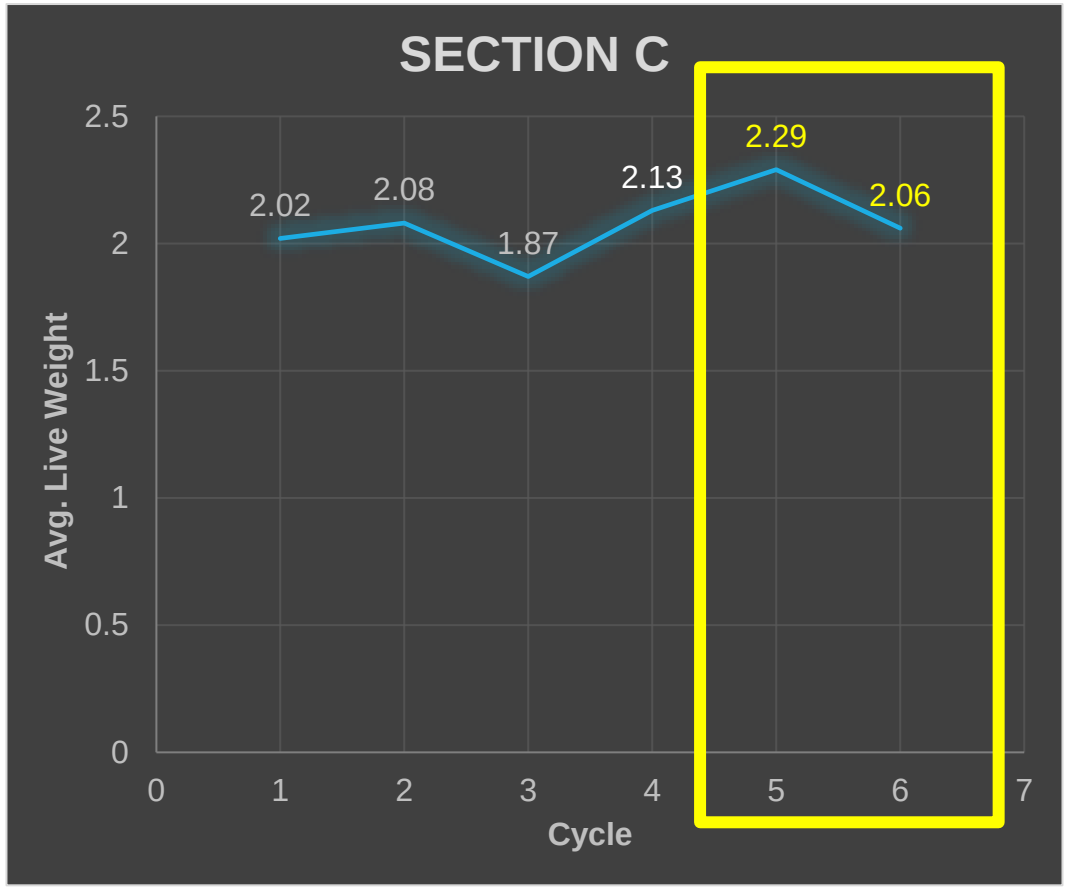
AVERAGE LIVEWEIGHT- 2021





IMPACT ON PRODUCTIVITY

AVERAGE LIVEWEIGHT- 2021



All the section of Ba Farm showing bird average live weight with constantly ≥2kg from cycle 5.

rooster

VALUE CREATION

TANGIBLE RESULTS

TEAM PINNACLE
GOING ABOVE AND BEYOND

	Before Trial	After Trial
Total Birds Harvested	718565	794581
ALW	1.98	2.16
Difference	180g	
Total Liveweight Gained (Kg)	13682.88	
Monetary Value (@ $6.90 per Kg)	$94,411.87	

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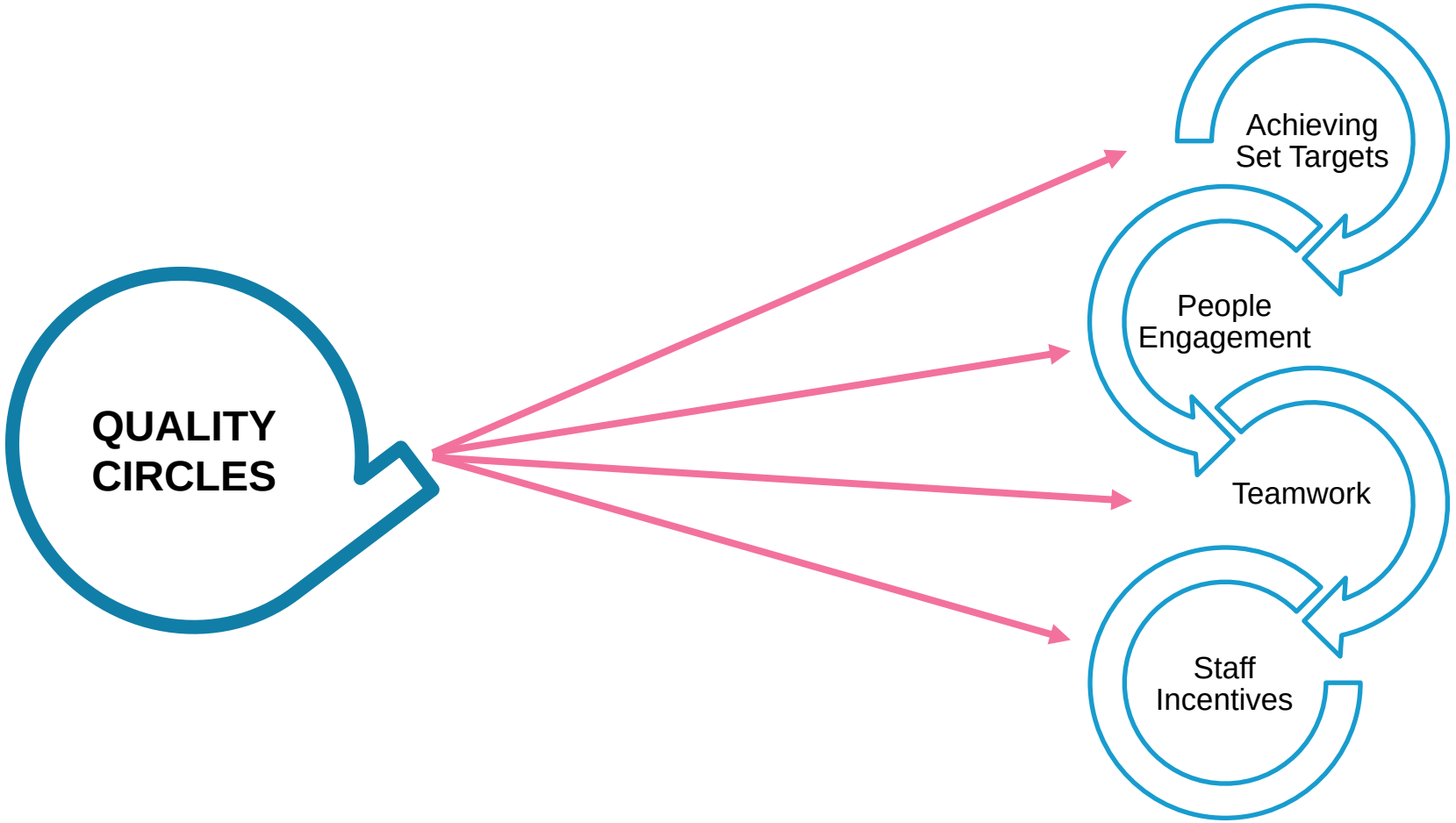
IMPACT ON PRODUCTIVITY

INTANGIBLE RESULTS

TEAM PINNACLE
GOING ABOVE AND BEYOND



IMPACT ON ORGANISATION GOALS

CAPITAL PRODUCTIVITY

Total Input	$2301.00
Total Output- Income from Liveweight	$94,411.87
Achievement	ROI: $41 for every dollar input

rooster

TEAM PINNACLE
GOING ABOVE AND BEYOND

CONTINUAL IMPROVEMENT STAGE

* To review the result
* Sustainability & Future Projects

REVIEW

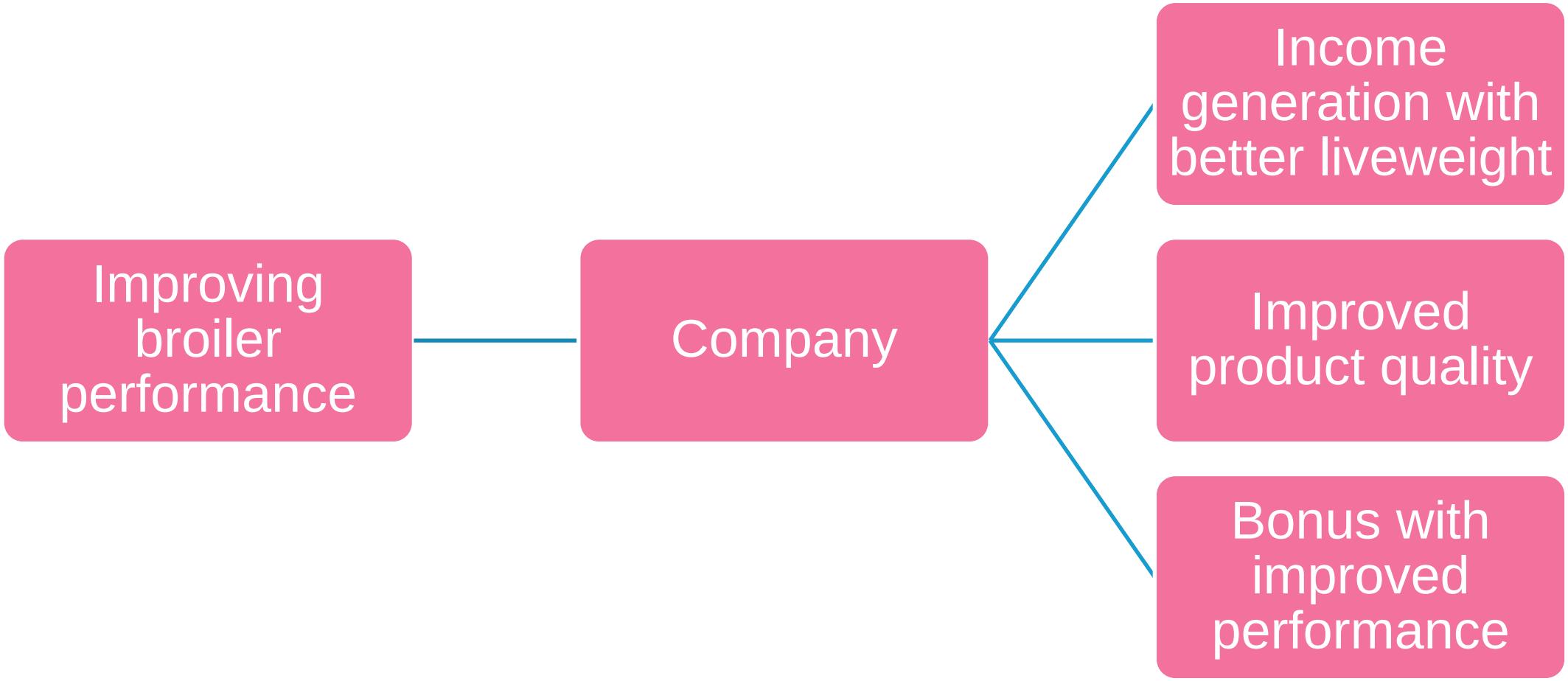
The targets was achieved comparing the target set with the past two cycles of the trial sheds.

Criteria	Target	Achieved
PIF	≥ 400	427.71
ALW	≥ 2 kg	2.16 kg

SUSTAINABILITY

Component	Data Collected	Target Set	Trial Results	Post Trial
Performance Indicating Factor	372.65	> 400	427.41	404.47
Average Liveweight	1.99	> 2Kg	2.16	2.07

CUSTOMER IDENTIFICATION



FUTURE PROJECT PLAN

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THANK YOU

2nd Team Excellence Competition 2022

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TEAM PINNACLE
GOING ABOVE AND BEYOND

Fiji BUSINESS EXCELLENCE AWARDS

Fiji BUSINESS EXCELLENCE AWARDS

Telarc. Registered Quality ISO 9001

Telarc. Registered Food Safety ISO 22000