



ATLIQ HARDWARE SALES & FINANCE ANALYTICS

TABLE OF CONTENT

- Introduction
- Problem Statement
- Dataset & Data modelling
- Sales Analytics
- Finance Analytics



Customer

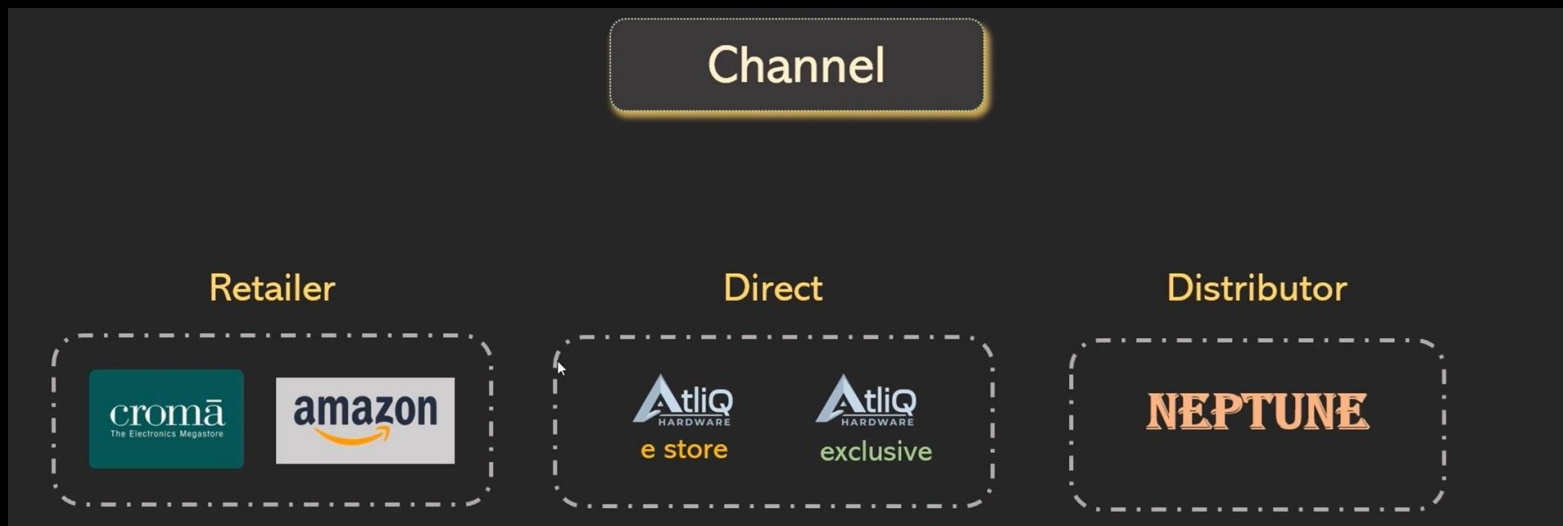
Consumer



AtliQ Business Model

INTRODUCTION

- AtliQ Hardware is a company that sells PCs, mouse, printers and computer peripherals to different customers.
- They are selling the accessories to various countries through different platforms such as Croma, Best Buy, Amazon, Flipkart and also through their own AtliQ exclusive stores.



PROBLEM STATEMENT

AtliQ Hardware wanted a detailed report of sales and finance analytics for the fiscal years 2019,2020 and 2021.

The objective of this project is to generate reports that provide answers to the following business inquiries:

Sales

- ❖ Customer performance, Market performance vs target achieved.
- ❖ The top 10 products based on the percentage increase in their net sales from 2020 to 2021.
- ❖ A Division report to present the net sales data for 2020 and 2021, along with the growth percentage.
- ❖ Top 5 and bottom 5 ranked products in terms of quantity sold.
- ❖ New products that Atliq began selling in 2021.
- ❖ Top 5 countries in terms of net sales in 2021.

Finance

- P & L statement by fiscal years.
- P & L statement by markets in 2021.
- Quarterly report for each fiscal year.
- Sub zone quarterly report for each fiscal year.

DATASET

Dimension Table

Fact Table

dim_customer
dim_market
dim_product
dim_date
ns_targets_2021

fact_sales_monthly_with_cost

DAX Commands

Manage Measures

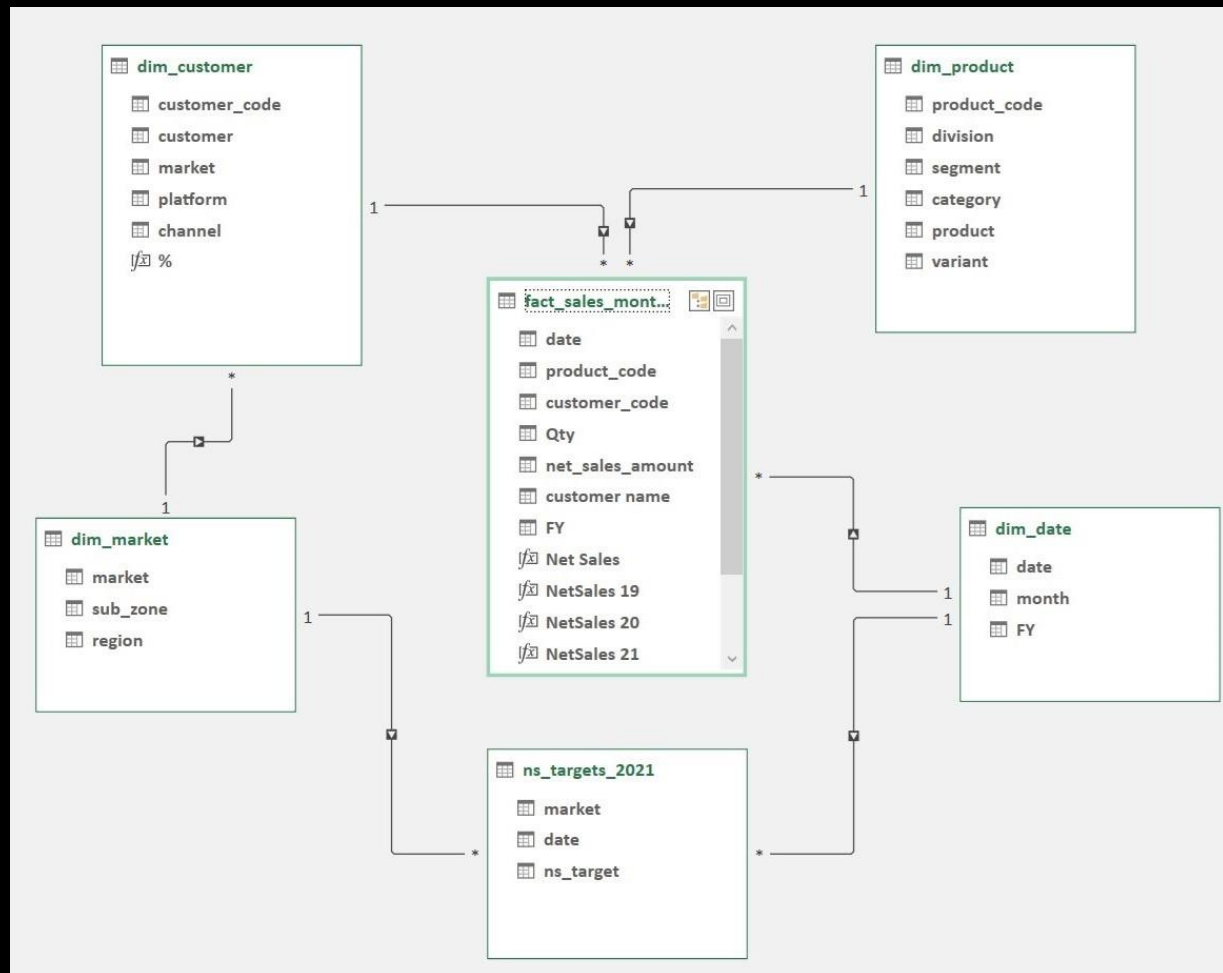
New

Edit

Delete

Measure	Formula
%	DIVIDE([21 - Target],[target 21],0)
2021 vs 2020	DIVIDE([NetSales 21],[NetSales 20],0)
21 - Target	[NetSales 21]-[target 21]
COGS	SUM([total_cogs])
GM %	DIVIDE([Gross Margin],[Net Sales],0)
Gross Margin	[Net Sales]-[COGS]
Net Sales	SUM(fact_sales_monthly[net_sales_amount])
NetSales 19	CALCULATE([Net Sales],dim_date[FY]="2019")
NetSales 20	CALCULATE([Net Sales],dim_date[FY]="2020")
NetSales 21	CALCULATE([Net Sales],dim_date[FY]="2021")
target 21	SUM(ns_targets_2021[ns_target])

DATA MODELLING





SALES ANALYSIS



FINANCE ANALYSIS



THANK YOU !!!

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GitHub: <https://github.com/Sakthitamizh>

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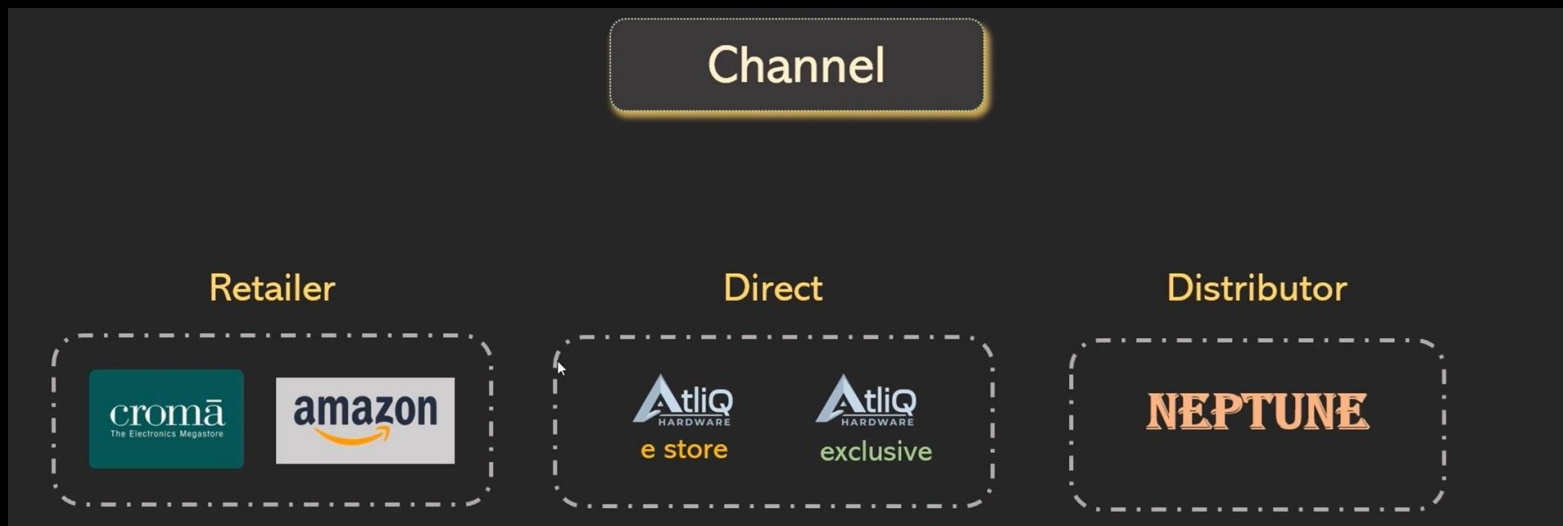
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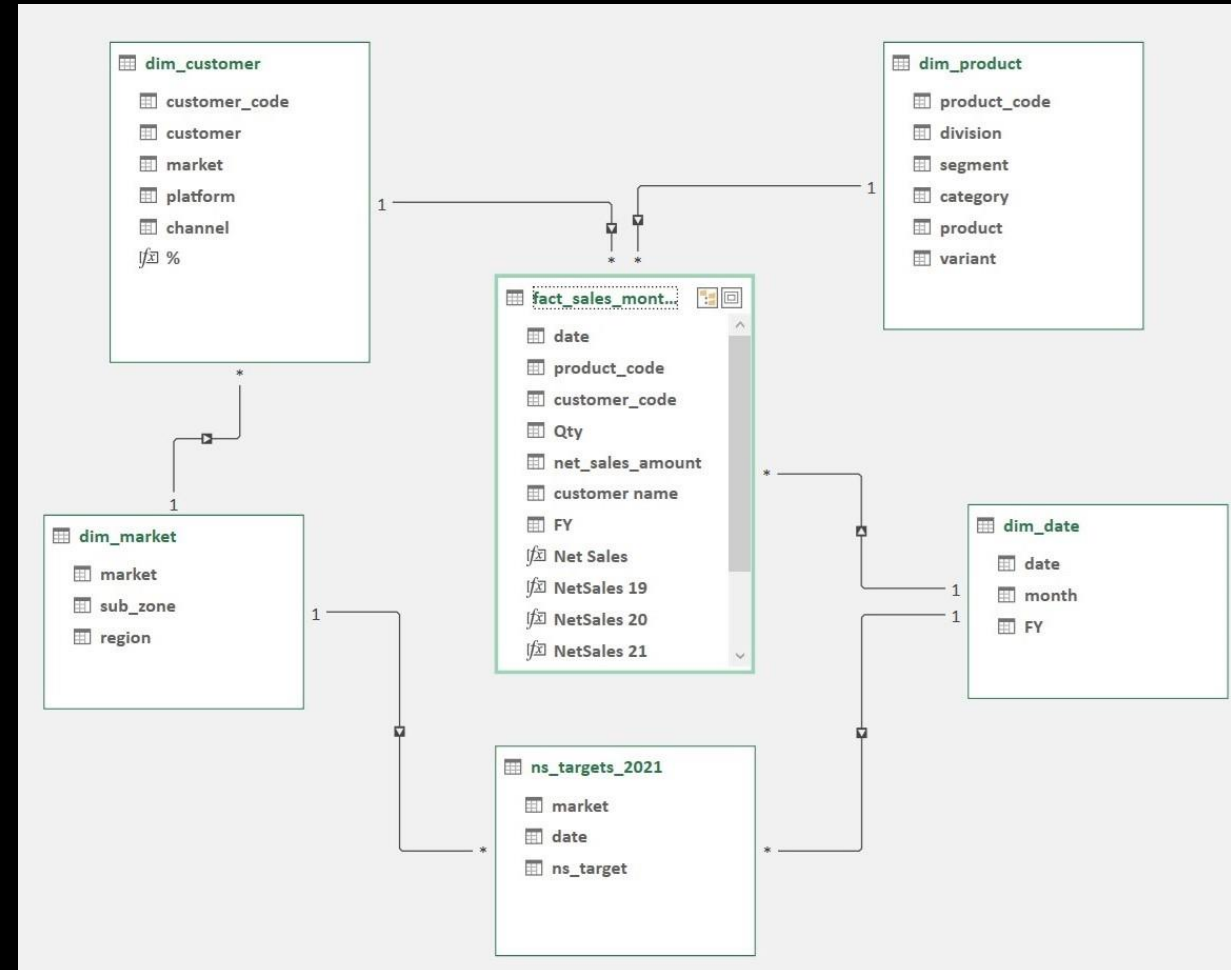
dim_customer
dim_market
dim_product
dim_date
ns_targets_2021

fact_sales_monthly_with_cost

DAX Commands

Manage Measures	
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DATA MODELLING





SALES ANALYSIS

AtliQ Hardware

FILTERS

region	All
market	All
division	All

Customer

Net Sales Performance

All values in USD

Customer	2019	2020	2021	21 vs 20
Acclaimed Stores	1.4M	2.9M	10.9M	378.1%
All-Out		0.2M	0.8M	495.7%
Amazon	12.2M	37.5M	82.1M	218.9%
Argos (Sainsbury's)	0.4M	0.7M	2.3M	306.0%
Atlas Stores	0.2M	0.7M	3.2M	470.3%
Atliq e Store	7.2M	23.7M	53.0M	223.8%
AtliQ Exclusive	9.6M	17.7M	61.1M	345.8%
BestBuy	0.9M	1.8M	6.3M	356.1%
Boulanger	0.2M	0.8M	4.1M	492.9%
Chip 7	0.6M	1.3M	5.5M	416.1%
Chiptec		0.4M	3.0M	722.0%
Control	0.9M	2.2M	7.7M	349.2%
Coolblue	0.5M	1.2M	4.2M	360.0%
Costco	1.1M	2.8M	9.3M	337.4%
Croma	1.7M	2.5M	7.5M	305.1%
Currys (Dixons Carphone)	0.3M	0.8M	1.9M	246.9%
Digimarket	0.8M	1.7M	4.1M	241.1%
Ebay	2.6M	6.3M	15.2M	242.2%
Electricalsara Stores	0.1M	0.6M	1.9M	286.0%
Electricalsbea Stores		0.1M	0.7M	504.6%
Electricalslance Stores	0.1M	0.7M	2.3M	313.3%
Electricalslytical	1.8M	2.6M	11.9M	457.5%
Electricalsocity	2.3M	3.5M	12.4M	358.8%
Electricalsquipo Stores	0.2M	0.7M	3.6M	535.3%
Elite	0.4M	0.8M	4.1M	495.5%
Elkjøp	0.5M	1.3M	5.2M	391.9%
Epic Stores	0.4M	0.9M	4.2M	446.1%
Euronics	0.4M	0.9M	3.9M	444.7%
Expert	0.8M	1.8M	6.4M	364.0%
Expression	1.7M	3.0M	9.8M	328.2%
Ezone	1.5M	2.0M	7.9M	391.6%
Flawless Stores	0.1M	0.5M	1.8M	396.3%
Flipkart	2.9M	8.3M	19.3M	231.0%
Fnac-Darty	0.5M	0.8M	2.9M	349.8%
Forward Stores	0.6M	1.5M	4.1M	272.0%
Girias	1.5M	2.1M	8.7M	419.3%
Info Stores	0.1M	0.5M	1.8M	384.1%
Insight	0.4M	1.0M	2.8M	271.8%

AtliQ Hardwares



Integration Stores		0.2M	1.4M	887.2%
Leader	4.7M	6.0M	18.8M	314.8%
Logic Stores	0.2M	0.9M	4.8M	515.2%
Lotus	1.5M	2.1M	8.1M	382.6%
Neptune	1.0M	3.4M	16.1M	471.5%
Nomad Stores	0.5M	1.6M	4.0M	246.9%
Notebillig	0.2M	0.4M	1.1M	287.4%
Nova		0.0M	0.4M	2664.9%
Novus	1.9M	3.7M	9.9M	264.2%
Otto	0.3M	0.4M	1.2M	298.6%
Premium Stores	0.5M	1.1M	3.9M	353.1%
Propel	1.6M	2.5M	10.8M	440.6%
Radio Popular	0.5M	1.5M	5.3M	362.6%
Radio Shack	0.8M	1.7M	5.4M	311.5%
Reliance Digital	1.6M	2.6M	9.7M	377.9%
Relief	0.4M	1.0M	4.1M	403.6%
Sage	4.8M	6.4M	20.7M	321.5%
Saturn	0.2M	0.4M	1.2M	310.5%
Sorefoz	0.6M	1.1M	4.7M	433.6%
Sound	0.6M	1.7M	4.4M	260.3%
Staples	1.2M	2.9M	8.8M	307.0%
Surface Stores	0.1M	0.5M	2.1M	398.8%
Synthetic	1.9M	4.4M	12.2M	276.0%
Taobao	0.2M	1.3M	3.3M	248.7%
UniEuro	0.6M	1.6M	7.3M	457.0%
Vijay Sales	1.7M	2.1M	8.5M	397.8%
Viveks	1.6M	2.2M	7.8M	348.1%
walmart	1.3M	2.6M	9.7M	370.4%
Zone	0.3M	1.6M	5.3M	336.2%
Grand Total	87.5M	196.7M	598.9M	304.5%

FILTERS

region
division

All
All

Market
Performance Report



Country	2019	2020	2021	21 - Target	%
Australia	3.9M	10.7M	21.0M	-2.2M	-9.5%
Austria		0.1M	2.8M	-0.3M	-10.5%
Bangladesh	0.5M	2.3M	7.0M	-0.7M	-9.3%
Canada	4.8M	12.2M	35.1M	-5.1M	-12.6%
China	1.4M	5.4M	22.9M	-2.1M	-8.3%
France	4.0M	7.5M	25.9M	-2.2M	-7.8%
Germany	2.6M	4.7M	12.0M	-1.5M	-11.3%
India	30.8M	49.8M	161.3M	-9.6M	-5.6%
Indonesia	2.5M	6.2M	18.4M	-2.4M	-11.5%
Italy	2.9M	4.5M	11.7M	-1.0M	-8.2%
Japan		1.9M	7.9M	-0.3M	-4.0%
Netherlands	0.2M	3.4M	8.0M	-0.7M	-7.6%
Newzealand		2.0M	11.4M	-1.4M	-11.0%
Norway		2.5M	13.7M	-1.4M	-9.5%
Pakistan	0.6M	4.7M	5.7M	-0.5M	-8.5%
Philippines	5.7M	13.4M	31.9M	-2.5M	-7.3%
Poland	0.4M	2.8M	5.2M	-0.9M	-15.3%
Portugal	0.7M	3.6M	11.8M	-0.5M	-4.1%
South Korea	12.8M	17.3M	49.0M	-4.4M	-8.2%
Spain		1.8M	12.6M	-1.8M	-12.4%
Sweden	0.1M	0.2M	1.8M	-0.2M	-10.0%
United Kingdom	2.0M	8.1M	34.2M	-3.0M	-8.0%
USA	11.5M	31.9M	87.8M	-10.2M	-10.4%
Grand Total	87.5M	196.7M	598.9M	-54.9M	-8.4%



FILTERS

region	All
customer	All

Division Level Report

All values are in USD

Division	2020	2021	21 vs 20
N & S	51.4M	94.7M	<div></div> 84.4%
P & A	105.2M	338.4M	<div></div> 221.5%
PC	40.1M	165.8M	<div></div> 313.7%
Grand Total	196.7M	598.9M	204.5%



FILTERS

region	All
division	All
customer	All

Top 10 Products

All values are in USD

Products	2020	2021	21 vs 20
AQ Electron 4 3600 Desktop Processor	3.0M	19.4M	541.3%
AQ GT 21	0.8M	4.4M	461.1%
AQ Home Allin1	0.7M	5.2M	669.0%
AQ LION x1	0.0M	0.8M	1619.5%
AQ LION x2	0.1M	0.9M	1668.9%
AQ LION x3	0.1M	1.2M	1692.3%
AQ Mx NB	0.0M	1.4M	5623.5%
AQ Pen Drive DRC	0.6M	3.8M	487.7%
AQ Smash 2	0.4M	11.2M	2489.5%
AQ Zion Saga	0.7M	3.6M	428.5%
Grand Total	6.4M	52.0M	708.0%



FILTERS

region	All
division	All
customer	All

Products	Qty
AQ Gamers	3.4M
AQ Gamers Ms	4.0M
AQ Master wired x1 Ms	4.2M
AQ Master wireless x1	3.4M
AQ Master wireless x1 Ms	4.1M
Grand Total	19000112

Top 5 Products

Bottom 5 Products

region	All
division	All
customer	All

Products	Qty
AQ Gamer 1	51.7K
AQ GEN Z	63.1K
AQ Home Allin1	15.2K
AQ HOME Allin1 Gen 2	8.9K
AQ Smash 2	36.0K
Grand Total	174887



FILTERS

region	All
customer	All
Country	2021
Canada	35.1M
India	161.3M
South Korea	49.0M
United Kingdom	34.2M
USA	87.8M
Grand Total	367.2M

Top 5 Country - 2021

All values are in USD

**FILTERS**

region	All
division	All
customer	All

New Products - 2021

All values are in USD

Products	2020	2021
AQ Clx3		4.4M
AQ Electron 3 3600 Desktop Processor		14.2M
AQ Gen Y		19.5M
AQ GEN Z		11.7M
AQ HOME Allin1 Gen 2		3.5M
AQ Lumina Ms		4.2M
AQ Marquee P3		4.9M
AQ Marquee P4		1.7M
AQ Maxima Ms		13.7M
AQ MB Lito		2.8M
AQ MB Lito 2		2.3M
AQ Qwerty		22.0M
AQ Qwerty Ms		15.4M
AQ Trigger		20.7M
AQ Trigger Ms		17.9M
AQ Wi Power Dx3		17.2M
Grand Total		176.2M



FINANCE ANALYSIS

AtliQ Hardware

FILTERS

region	All
market	All
division	All
customer	All



P & L By Fiscal years

Metrics	Fiscal years			21 Vs 20
	2019	2020	2021	
Net Sales	87.5M	196.7M	598.9M	204.5%
COGS	51.2M	123.4M	380.7M	208.6%
Gross Margin	36.2M	73.3M	218.2M	197.6%
GM %	41.4%	37.3%	36.4%	-2.3%

AtliQ Hardware

FILTERS

region All
division All
customer All
FY 2021



P & L By Markets

Customers	Net Sales	COGS	Gross Margin	GM %
Australia	21.0M	14.1M	6.9M	32.9%
Austria	2.8M	2.0M	0.9M	30.1%
Bangladesh	7.0M	4.5M	2.4M	34.5%
Canada	35.1M	21.7M	13.4M	38.2%
China	22.9M	13.5M	9.4M	41.1%
France	25.9M	14.7M	11.2M	43.2%
Germany	12.0M	8.9M	3.1M	26.2%
India	161.3M	109.7M	51.6M	32.0%
Indonesia	18.4M	11.3M	7.1M	38.4%
Italy	11.7M	8.2M	3.5M	30.1%
Japan	7.9M	4.2M	3.7M	46.5%
Netherlands	8.0M	4.6M	3.4M	42.0%
Newzealand	11.4M	5.9M	5.5M	48.2%
Norway	13.7M	9.6M	4.0M	29.5%
Pakistan	5.7M	3.6M	2.0M	36.2%
Philippines	31.9M	19.4M	12.5M	39.1%
Poland	5.2M	3.0M	2.2M	42.6%
Portugal	11.8M	6.8M	5.0M	42.1%
South Korea	49.0M	31.4M	17.6M	35.9%
Spain	12.6M	8.4M	4.2M	33.1%
Sweden	1.8M	1.1M	0.7M	40.2%
United Kingdom	34.2M	18.7M	15.4M	45.1%
USA	87.8M	55.3M	32.5M	37.0%
Grand Total	598.9M	380.7M	218.2M	36.4%

FILTERS

region	All
market	All
division	All
customer	All
FY	2019



P & L
By Fiscal years

Note: Do not modify the pivot table

Metrics	Quarter Q1			Q2			Q3			Q4			Grand Total
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
Net Sales	6.5M	8.0M	10.7M	11.4M	6.5M	6.1M	6.4M	6.3M	6.5M	6.2M	6.5M	6.3M	87.5M
COGS	3.8M	4.7M	6.3M	6.7M	3.9M	3.5M	3.8M	3.7M	3.8M	3.6M	3.8M	3.7M	51.2M
Gross Margin	2.6M	3.4M	4.5M	4.7M	2.7M	2.6M	2.7M	2.6M	2.6M	2.6M	2.7M	2.6M	36.2M
GM %	40.9%	42.0%	41.5%	41.4%	40.9%	41.9%	41.5%	41.4%	40.8%	42.0%	41.5%	41.4%	41.4%

region	All
market	All
division	All
customer	All
FY	2020

	Quarter Q1			Q2			Q3			Q4			Grand Total	
Metrics	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug		
Net Sales	17.1M	20.6M	28.7M	29.9M	17.1M	15.9M	2.1M	7.8M	9.9M	14.9M	16.1M	16.5M	196.7M	
COGS	10.6M	12.8M	18.1M	18.9M	10.7M	9.9M	1.3M	4.8M	6.2M	9.3M	10.2M	10.5M	123.4M	
Gross Margin	6.5M	7.8M	10.6M	11.0M	6.5M	6.0M	0.8M	2.9M	3.7M	5.5M	5.9M	6.1M	73.3M	
GM %	37.8%	37.8%	37.0%	36.8%	37.8%	37.7%	36.7%	37.7%	37.5%	37.3%	36.7%	36.8%	37.3%	

region	All
market	All
division	All
customer	All
FY	2021

	Quarter Q1			Q2			Q3			Q4			Grand Total	
Metrics	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug		
Net Sales	44.8M	54.6M	74.3M	78.1M	44.8M	41.8M	44.0M	43.5M	44.4M	41.5M	44.0M	43.0M	598.9M	
COGS	28.4M	34.7M	47.4M	49.8M	28.4M	26.5M	28.0M	27.7M	28.1M	26.4M	28.0M	27.4M	380.7M	
Gross Margin	16.4M	19.9M	27.0M	28.3M	16.4M	15.3M	16.0M	15.8M	16.3M	15.1M	16.0M	15.6M	218.2M	
GM %	36.7%	36.5%	36.3%	36.3%	36.7%	36.5%	36.4%	36.3%	36.6%	36.4%	36.4%	36.3%	36.4%	

Net Sales Comparison													
21 Vs 20	162.1%	164.7%	159.1%	161.0%	161.4%	162.5%	1981.6%	461.2%	347.0%	178.6%	173.9%	160.3%	204.5%
20 vs 19	164.6%	156.6%	167.3%	161.5%	162.8%	162.0%	-67.1%	22.7%	53.1%	140.7%	148.0%	162.0%	124.8%

FILTERS



FY2019		P & L By Fiscal years				
GM %	Quarter					
Customers	Q1	Q2	Q3	Q4	Grand Total	
ANZ	43.0%	42.2%	42.6%	42.5%	42.6%	
INDIA	42.5%	42.2%	42.0%	42.5%	42.4%	
NA	35.1%	35.4%	35.4%	35.7%	35.4%	
NE	36.6%	37.0%	36.5%	36.6%	36.7%	
ROA	44.5%	44.3%	44.0%	44.5%	44.4%	
SE	44.5%	44.1%	44.0%	44.2%	44.2%	

FY2020						
GM %	Quarter					
Customers	Q1	Q2	Q3	Q4	Grand Total	
ANZ	43.3%	43.0%	42.8%	41.8%	42.8%	
INDIA	32.3%	32.1%	32.4%	32.0%	32.2%	
NA	39.9%	40.1%	39.1%	39.7%	39.8%	
NE	37.6%	37.8%	38.5%	37.7%	37.8%	
ROA	38.4%	38.3%	38.8%	37.7%	38.2%	
SE	38.5%	37.3%	38.2%	37.8%	37.9%	

FY2021						
GM %	Quarter					
Customers	Q1	Q2	Q3	Q4	Grand Total	
ANZ	39.0%	37.8%	38.3%	38.0%	38.3%	
INDIA	32.3%	31.8%	31.9%	32.0%	32.0%	
NA	37.1%	37.4%	37.5%	37.4%	37.3%	
NE	37.9%	38.7%	38.2%	38.3%	38.3%	
ROA	38.5%	38.4%	38.1%	38.1%	38.3%	
SE	38.6%	38.3%	38.6%	38.5%	38.5%	



THANK YOU !!!

Created By Sakthivel Tamilselvan

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