



BOSCH

Bosch Limited
Post Box No:3000
Hosur Road, Aduodi
Bangalore-560030
Karnataka, India
Tel +91 80 67528626
www.bosch.in
L85110KA1951PLC000761

Corporate Relationship Department
BSE Limited
1st Floor, New Trading Ring
Rotunda Building
Phiroze Jeejeebhoy Towers
Dalal Street, Fort
Mumbai – 400 001
Scrip code:500530

The Manager
Listing Department
National Stock Exchange of India Ltd.
Exchange Plaza, C-1, Block G
Bandra-Kurla Complex
Bandra (E)
Mumbai – 400 051
Scrip code: BOSCHLTD

August 14, 2019

Dear Sir/Madam

Sub: Intimation under Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015

In order to align production with sales requirements, the Company at its various plants belonging to Powertrain Solutions division, would be observing 'No Production Days' ranging upto 10 days per month during the second quarter of the Financial Year 2019-2020.

This is for your information.

Thanking you,

**Yours faithfully,
for Bosch Limited,**

RAJESH Digitally signed by
RAJESH
DIGAMB DIGAMBAR PARTE
Date: 2019.08.14
AR PARTE 17:08:35 +05'30'

**Rajesh Parte
(Company Secretary
& Compliance Officer)**



BOSCH

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August 14, 2019

Dear Sir/Madam,

Subject: Compliance under Regulation 47 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 – Newspaper Publication.

Please find enclosed the unaudited consolidated financial results for the quarter ended June 30, 2019, approved by the Board of Directors on August 13, 2019, published in Business Standard (All Editions) and Kannada Prabha (Bengaluru Edition) which appeared on Wednesday, August 14, 2019.

This is for your information.

Thanking you,

**Yours faithfully,
for Bosch Limited,**

RAJESH Digitally signed
 by RAJESH
DIGAMBA DIGAMBAR PARTE
R PARTE Date: 2019.08.14
 17:31:32 +05'30'

**(Rajesh Parte)
Company Secretary
& Compliance Officer**

Encl. : as above



GULSHAN POLYOLS LIMITED

CIN : L24231UP2000PLC034918
 Regd. Off. : 9th K.M., Jansath Road, Muzaffarnagar, Uttar Pradesh - 251001
 Ph. : 0131-3201231, Fax : 0131- 2661378, Website : www.gulshanindia.com

Extract of Un-Audited Financial Results for the Quarter ended 30th June, 2019

Sl. No.	Particulars	Quarter ended			
		30.06.2019		31.03.2019	
		(Unaudited)	(Audited)	(Unaudited)	(Audited)
1	Total income from Operations	16906.33	17,108.12	16692.13	67584.91
2	Net Profit/ (Loss) for the period (Before Tax, Exceptional and/or Extraordinary Items)	978.16	595.87	936.66	2701.73
3	Net Profit/ (Loss) for the period Before Tax (After Exceptional and/or Extraordinary Items)	978.16	595.87	936.66	2701.73
4	Net Profit/ (Loss) for the period After Tax (After Exceptional and/or Extraordinary Items)	728.94	577.92	651.04	2142.52
5	Total Comprehensive Income for the period [Comprising Profit / (Loss) for the period (After Tax) and other Comprehensive Income (After Tax)]	728.94	577.92	651.04	2139.50
6	Paid-up equity share capital (Face Value of Rs. 1/- each)	469.17	469.17	469.17	469.17
7	Reserves Excluding Revaluation Reserve	-	-	-	28,586.11
8	Earnings Per Share for Continuing and Discontinued Operations (Before & After Extraordinary Items) (Face Value of Rs. 1/-each)				
	Basic	1.55	1.23	1.39	4.57
	Diluted	1.55	1.23	1.39	4.57

NOTES:

- The Auditor has conducted Limited Review of these Financial Results. The results were reviewed by the Audit Committee. The Board of Directors has taken on record the financial results at its meeting held on August 13, 2019.
- The statement has been prepared in accordance with the Companies (Indian Accounting Standards) Rules, 2015 (IND -AS) prescribed under Section 133 of the Companies Act, 2013 and other recognised accounting practices and policies to the extent applicable.
- Effective April 1, 2019, the Company adopted Ind AS 116 "Leases", applied to all lease contracts existing on April 1, 2019 using the modified retrospective method along with the transition option to recognize Right-of-Use asset (ROU) at an amount equal to the lease liability. Accordingly, comparatives for the quarters ended June 30, 2018 and March 31, 2019 and year ended March 31, 2019 have not been retrospectively adjusted. The effect of this adoption is not material on the profit for the period and earnings per share.
- Figures for the previous period have been regrouped/ rearranged wherever necessary to make them comparable with current figure.

On behalf of Board of Directors
 For Gulshan Polyols Limited
 Sd/-
 (Dr. Chandra K. Jain)
 Chairman and Managing Director

Date : 13th August, 2019
 Place : Delhi

SHREE PUSHKAR CHEMICALS & FERTILISERS LIMITED

Regd. Office - 301/302, Atlanta Centre, Opp. Udyog Bhawan, Goregaon East, Mumbai - 400063
 Tel. - 022 42702525, Fax - 022 26853205, Email-info@shreepushkar.com,
 Website - www.shreepushkar.com CIN - L24100MH1993PLC071376

STATEMENT OF UNAUDITED CONSOLIDATED FINANCIAL RESULTS FOR THE QUARTER ENDED JUNE 30, 2019

Sr. No.	Particulars	Quarter Ended			
		June 30, 2019		June 30, 2018	
		(Unaudited)	(Audited)	(Unaudited)	(Audited)
1	Income				
	a. Revenue from Operations	9,215.03	11,762.58	9,749.14	45,191.80
	b. Other Income	100.93	107.44	33.61	242.05
	Total Income	9,315.96	11,870.02	9,782.75	45,433.85
2	Expenses				
	a. Cost of Materials Consumed	5,156.39	8,461.59	4,941.76	29,003.72
	b. Changes in Inventories of finished goods and work-in-progress	859.60	(40.39)	1,544.68	1,260.25
	c. Employee Benefit Expenses	595.45	673.41	474.80	3,012.71
	d. Depreciation and Amortisation Expenses	288.31	246.14	248.59	996.17
	e. Finance Costs	69.56	175.42	76.38	371.38
	f. Other Expenses	1,519.15	1,609.97	1,103.94	5,206.12
	Total Expenses	8,488.46	11,126.14	8,390.15	39,850.35
3	Profit Before Tax (1-2)	827.50	743.88	1,392.60	5,583.50
4	Tax Expenses:				
	a. Current Tax	204.93	137.90	423.85	1,361.05
	b. Less: Tax for Earlier years	-	(455.09)	-	(455.09)
	c. Deferred Tax	(12.55)	296.27	55.84	592.96
	Total Tax Expenses	192.38	(20.92)	479.69	1,498.92
5	Net Profit for the period / year (3-4)	635.12	764.80	912.91	4,084.58
6	Add: Other Comprehensive Income (net of tax)				
	Items that will not be reclassified to profit or loss	0.34	0.96	0.11	1.31
	Re-measurement of net defined benefit obligations	635.46	765.76	913.02	4,085.89
7	Total Comprehensive Income (5+6)	3072.43	3,072.43	3,072.43	3,072.43
8	Paid-up equity share capital (Face Value of ₹ 10/- each)	3072.43	3,072.43	3,072.43	3,072.43
9	Other Equity (excluding revaluation reserve)				25,369.30
10	Earnings Per Share (EPS) (of ₹ 10/- each) (not annualised)				
	a. Basic	2.07	2.49	2.97	13.32
	b. Diluted	2.07	2.44	2.97	13.25

Notes:

- The above results were reviewed by the Audit Committee and approved by the Board of Directors in their meeting held on August 13, 2019. The Statutory Auditors have carried out a limited review of these financial results for the quarter ended June 30, 2019 and have issued an unmodified report on these results.
- The Group has adopted Ind AS 116 'Leases' with the date of initial application being April 1, 2019. Right-of-Use asset (RoU) for lease previously classified as operating leases were recognised and measured at an amount equal to the lease liability. As a result, the comparative information has not been restated. The impact of Ind AS 116 is not material on the financial results of the Group.
- The Group is engaged in manufacture of Chemicals & Fertilisers, consequently the Company does not have separate reportable business segment for quarter ended June 30, 2019.
- Figures relating to the previous period(s) / year have been regrouped / rearranged, wherever necessary, to make them comparable with those of the current period.

STATEMENT OF UNAUDITED STANDALONE FINANCIAL RESULTS FOR THE QUARTER ENDED JUNE 30, 2019

Sr. No.	Particulars	Quarter Ended			
		June 30, 2019		June 30, 2018	
		(Unaudited)	(Audited)	(Unaudited)	(Audited)
1	Income				
	a. Revenue from Operations	7,766.15	10,223.33	8,613.08	40,019.55
	b. Other Income	100.93	107.66	33.61	242.05
	Total Income	7,867.08	10,330.99	8,646.69	40,261.60
2	Expenses				
	a. Cost of Materials Consumed	4,545.11	7,685.66	4,359.70	26,014.20
	b. Changes in Inventories of finished goods and work-in-progress	674.11	(109.57)	1,434.48	1,368.80
	c. Employee Benefit Expenses	507.47	590.73	415.85	2,673.38
	d. Depreciation and Amortisation Expenses	226.59	202.93	204.75	821.44
	e. Finance Costs	18.45	77.15	58.64	200.94
	f. Other Expenses	1,203.51	1,228.49	933.05	4,114.47
	Total Expenses	7,175.24	9,675.39	7,406.47	35,193.23
3	Profit Before Tax (1-2)	691.84	655.60	1,240.22	5,068.37
4	Tax Expenses:				
	a. Current Tax	177.00	114.00	394.00	1,255.00
	b. Less: Tax for Earlier years	-	(455.09)	-	(455.09)
	c. Deferred Tax	13.49	336.70	40.71	623.23
	Total Tax Expenses	190.49	(4.39)	434.71	1,423.14
5	Net Profit for the period / year (3-4)	501.35	659.99	805.51	3,645.23
6	Add: Other Comprehensive Income (net of tax)				
	Items that will not be reclassified to profit or loss	0.34	0.96	0.11	1.31
	Re-measurement of net defined benefit obligations	501.69	660.95	805.62	3,646.54
7	Total Comprehensive Income (5+6)	3072.43	3,072.43	3,072.43	3,072.43
8	Paid-up equity share capital (Face Value of ₹ 10/- each)	3072.43	3,072.43	3,072.43	3,072.43
9	Other Equity (excluding revaluation reserve)				24,591.64
10	Earnings Per Share (EPS) (of ₹ 10/- each) (not annualised)				
	a. Basic	1.63	2.15	2.62	11.89
	b. Diluted	1.63	2.10	2.62	11.82

Notes:

- The above results were reviewed by the Audit Committee and approved by the Board of Directors in their meeting held on August 13, 2019. The Statutory Auditors have carried out a limited review of these financial results for the quarter ended June 30, 2019 and have issued an unmodified report on these results.
- The Company has adopted Ind AS 116 'Leases' with the date of initial application being April 1, 2019. Right-of-Use asset (RoU) for lease previously classified as operating leases were recognised and measured at an amount equal to the lease liability. As a result, the comparative information has not been restated. The impact of Ind AS 116 is not material on the financial results of the Company.
- The Company is engaged in manufacture of Chemicals & Fertilisers, consequently the Company does not have separate reportable business segment for quarter ended June 30, 2019.
- Figures relating to the previous period(s) / year have been regrouped / rearranged, wherever necessary, to make them comparable with those of the current period.

On behalf of the Board of Directors
 For Shree Pushkar Chemicals & Fertilisers Limited
 Sd/-
 Punit Makharia
 (Chairman & Managing Director)

Mumbai, 13th day of August, 2019

Din No. 01430764

Bosch Limited

Registered office : Hosur Road, Adugodi, Bengaluru-560 030
 Website: www.bosch.in; Email:investor@in.bosch.com Phone:+91-80-67521750
 CIN: L85110KA1951PLC000761

Statement of Unaudited Financial Results for the quarter ended June 30, 2019

(Rs. in Lakhs)

Sl.No.	Particulars	Standalone				Consolidated			
		Quarter Ended		Year Ended		Quarter Ended		Year Ended	
		30.06.2019	31.03.2019	30.06.2018	31.03.2019	30.06.2019	31.03.2019	30.06.2018	31.03.2019
1.	Total Income from Operations	287,757	291,165	332,681	1,285,320	287,757	291,165	332,681	1,285,320
2.	Net Profit from ordinary activities (before tax and exceptional items)	50,434	56,150	64,892	234,103	50,434	56,150	64,892	234,103
3.	Net Profit from ordinary activities before tax (after exceptional items)	42,224	56,150	64,892	234,103	42,224	56,150	64,892	234,103
4.	Net Profit from ordinary activities after tax	27,995	41,170	43,098	159,804	27,997	41,181	43,108	159,829
5.	Other comprehensive income, (net of income tax) [Items that will not be reclassified to Statement of Profit and Loss]	7,737	2,363	3,506	9,969	7,737	2,363	3,506	9,969
6.	Total comprehensive income for the period	35,732	43,533	46,604	169,773	35,734	43,544	46,614	169,798
7.	Paid-up equity share capital (Face value of Rs 10/- each)	2,949	2,949	3,052	2,949	2,949	2,949	3,052	2,949
8.	Reserves excluding Revaluation Reserve as per Balance Sheet				909,671				908,828
9.	Earnings Per Share for continuing operations (weighted average)								
	(a) Basic	94.9	136.5	141.2	525.2	94.9	136.5	141.2	525.2
	(b) Diluted	94.9	136.5	141.2	525.2	94.9	136.5	141.2	525.2

Note:

- The above unaudited financial results were reviewed by the Audit Committee and approved by the Board at their meeting held on August 13, 2019. The standalone results for the quarter ended March 31, 2019, June 30, 2018 and year ended March 31, 2019 and consolidated results for the quarter ended June 30, 2019 and year ended March 31, 2019 have been subject to review / audit by the statutory auditors of the Company.
- Effective 1st April, 2019, the Group has adopted Ind AS 116 'Lease' applied to all lease contracts existing on April 1, 2019 using modified retrospective approach. On the date of initial application the group has recognised equivalent lease liability and right of use asset without impacting opening reserves. The application of Ind AS 116 did not have any material impact on the standalone and consolidated financial results for the quarter ended June 30, 2019.
- The Board of Directors have approved the proposed sale of packaging machinery business as a going concern at their meeting held on May 21, 2019 which is subject to approval by shareholders at the ensuing Annual General Meeting. This does not have any material impact on the standalone and consolidated financial results for the quarter ended June 30, 2019.
- The Indian Automotive market is undergoing major changes from regulatory, technological and market factors. These include opportunity in new segments of electromobility and mobility solutions. The company has initiated transformation projects including restructuring and redeployment to remain competitive amidst the emerging opportunities. Provision towards restructuring, reskilling and redeployment has been disclosed as an exceptional item for the quarter ended June 30, 2019.
- The standalone figures for the quarter ended March 31, 2019 are the balancing figures between the standalone audited figures in respect of the full financial year ended March 31, 2019 and the standalone published year to date figures up to the third quarter ended December 31, 2018.
- As per SEBI circular no.CIR/CFD/CMD1/44/2019 dated March 29, 2019, the consolidated figures for the quarter ended March 31, 2019 and quarter ended June 30, 2018 are approved by the Parent's Board of Directors and have not been subjected to review by the Statutory Auditors of the Company.
- The above is an extract of the detailed format of Quarterly Financial Results filed with the Stock Exchanges under Regulation 33 of the SEBI (Listing and Other Disclosure Requirements) Regulations, 2015. The full format of the Quarterly Financial Results are available on the websites of BSE and NSE at www.bseindia.com and www.nseindia.com respectively and on the companies website at www.bosch.in

Place : Bengaluru
 Date : August 13, 2019

(Soumitra Bhattacharya)
 Managing Director



Invented for life



ORIENT REFRACTORIES LIMITED

(an RHI Magnesita Company)
 Regd. Office : C-604, Neelkanth Business Park, Opp. Railway Station, Vidhyavihar (West), Mumbai, Maharashtra-400086
 CIN : L28113MH2010PLC312871
 Phone No : +91-22-66090600 ; Fax No : +91-22-66090601
 Email : Bhi_info@RHIMagnesita.com ; Website : www.orientrefractories.com

Extract of Unaudited Financial Results for the Quarter ended 30 June 2019

(All amounts in Rs. Lacs, unless otherwise stated)

Sl. No.	Particulars	Consolidated				Standalone			
		Quarter ended 30 June 2019	Quarter ended 31 March 2019*	Quarter ended 30 June 2018	Year ended 31 March 2019	Quarter ended 30 June 2019	Quarter ended 31 March 2019*	Quarter ended 30 June 2018	Year ended 31 March 2019
		(Unaudited)	(Audited)	(Unaudited)	(Audited)	(Unaudited)	(Audited)	(Unaudited)	(Audited)
1.	Total revenue from operations	19,078.50	18,926.49	18,061.25	76,611.99	19,004.97	18,926.49	18,061.25	76,611.99
2.	Net profit before tax #	3,436.10	3,406.18	3,307.43	13,752.24	3,408.58	3,406.18	3,307.43	13,752.24
3.	Net profit after tax #	2,245.88	2,498.76	2,190.81	8,982.66	2,225.37	2,498.76	2,190.81	8,982.66
4.	Total Comprehensive income for the period after tax	2,240.52	2,516.12	2,186.77	8,963.15	2,220.01	2,516.12	2,186.77	8,963.15
5.	Equity share capital (Face value Re. 1/- per share)	1,201.39	1,201.39	1,201.39	1,201.39	1,201.39	1,201.39	1,201.39	1,201.39
6.	Reserves(excluding revaluation reserves)				36,422.14				36,422.14
7.	Basic and Diluted earning per share (of Re. 1/- each) (not annualized)/(in Rs.)	1.87	2.08	1.82	7.48	1.85	2.08	1.82	7.48

The Company does not have any extraordinary item to report for the above periods.

@ Refer Note 2; * Refer Note 3

Notes:

- The above is an extract of the detailed format of quarterly financial results filed with the stock exchanges under regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015. The full format of the quarterly financial results are available on the website (www.bseindia.com and www.nseindia.com) and on the Company's website (www.orientrefractories.com).
- The consolidated financial results have been prepared for the first time in the quarter ended June 30, 2019 on acquisition of a Subsidiary on May 18, 2019. The Consolidated Financial Results for the quarter ended June 30, 2019 include financial results of Orient Refractories Limited and its Subsidiary for the period from May 18, 2019 to June 30, 2019. The previous period figures are the standalone financial results of Orient Refractories Limited and accordingly are not comparable.
- The figures for the quarter ended March 31, 2019, are the balancing figures between the audited figures in respect of the full financial year and the published year to date unaudited figures up to the third quarter of the year ended March 31, 2019.
- Dividend of Rs. 2.50 per share (250% on equity share of par value of Re. 1.00) has been approved by the Shareholders of the Company in the Annual

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August 14, 2019

Dear Sir/Madam

Subject: Intimation of Schedule of Analyst/ Institutional Investor Meetings

In terms of Regulations 30(6) of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we wish to inform you about the conference call with an Institutional Investor as detailed below:

Date	Name of the Fund / Institutional Investor	Type of Meeting
August 20, 2019	Franklin Templeton Asset Management (India) Pvt. Ltd	Conference Call

The above schedule is subject to changes due to exigencies on the part of aforementioned Institutional Investor/ Company.

This is for your information and records.

Thanking you,

**Yours faithfully,
for Bosch Limited,**

RAJESH Digitally signed
 by RAJESH
DIGAMBA DIGAMBAR PARTE
R PARTE Date: 2019.08.14
 17:12:02 +05'30'

**Rajesh Parte
(Company Secretary &
Compliance Officer)**



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August 14, 2019

Dear Sir/Madam

Sub: Intimation of Schedule of Analyst / Institutional Investor Meetings

Ref: Regulation 30(6) of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015

This is with reference to our letter dated August 09, 2019 on the captioned subject.

Copy of the presentation shared with the Institutional Investors/Fund houses is attached herewith and is also being made available on the Company's website i.e. www.bosch.in

This is for your information.

Thanking you,

**Yours faithfully,
for Bosch Limited,**

RAJESH Digitally signed by
RAJESH
DIGAMB DIGAMBAR PARTE
Date: 2019.08.14
AR PARTE 19:56:03 +05'30'

**Rajesh Parte
(Company Secretary
& Compliance Officer)**

Encl: as above

Bosch Limited Investors' Meet 2019

Moving Ahead >> Smart Moves

Soumitra Bhattacharya, Managing Director, Bosch Limited

14th August, 2019 | Mumbai



Bosch Limited – Investors' Meet 2019

Today we talk about

Bosch Group and Bosch India Overview

Changing landscape of Mobility Sector

Integrated System Solutions

Other Businesses

Bosch India Social Engagement

Bosch Limited – Investors’ Meet 2019

Today we talk about

Bosch Group and Bosch India Overview

Changing landscape of Mobility Sector

Integrated System Solutions

Other Businesses

Bosch India Social Engagement

The Global Bosch Group

Bosch group: Business sectors

Sales (2018): EUR 78.5bn

Mobility Solutions



Consumer Goods



Industrial Technology



Energy and Building Technology



Highlights of the 2018 business year

Sales

€78.5bn¹



+37%

52m web-enabled products sold



Research and development

68,700

associates worldwide
+4,300



Headcount rises to

409,900

+7,700

EBIT from operations

€5.5bn

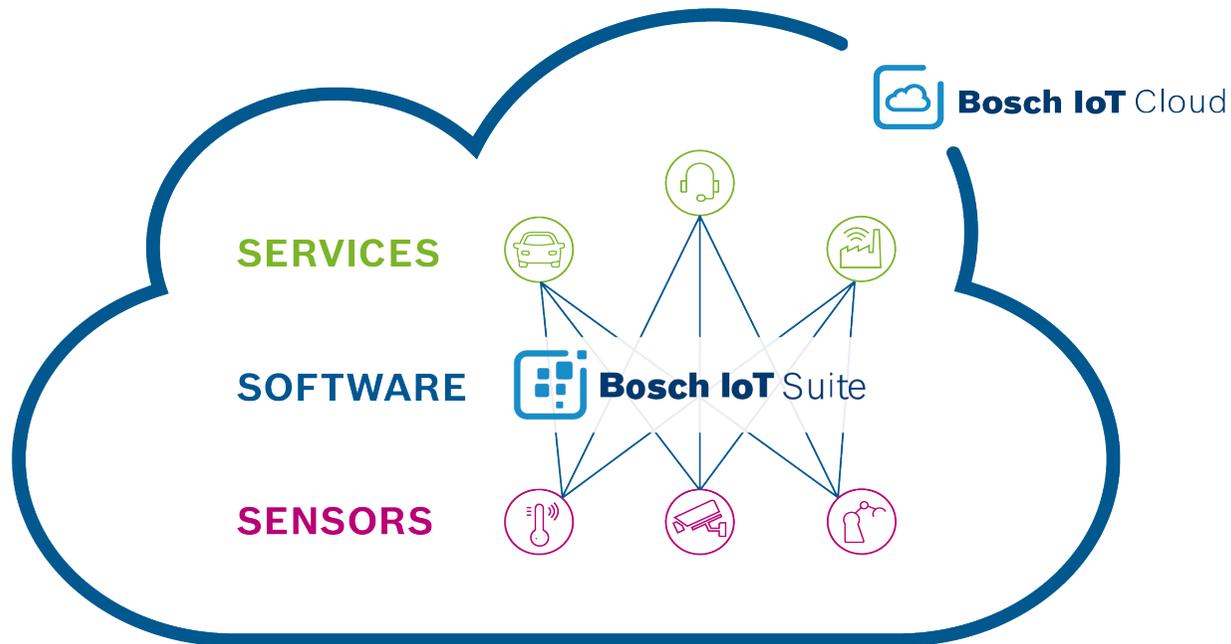
€7.3bn²

Research and development spending

¹ Adjusted for changes in consolidated group

² Calculated on the same basis as the 2017 figure

IoT: a key pillar of the Bosch strategy

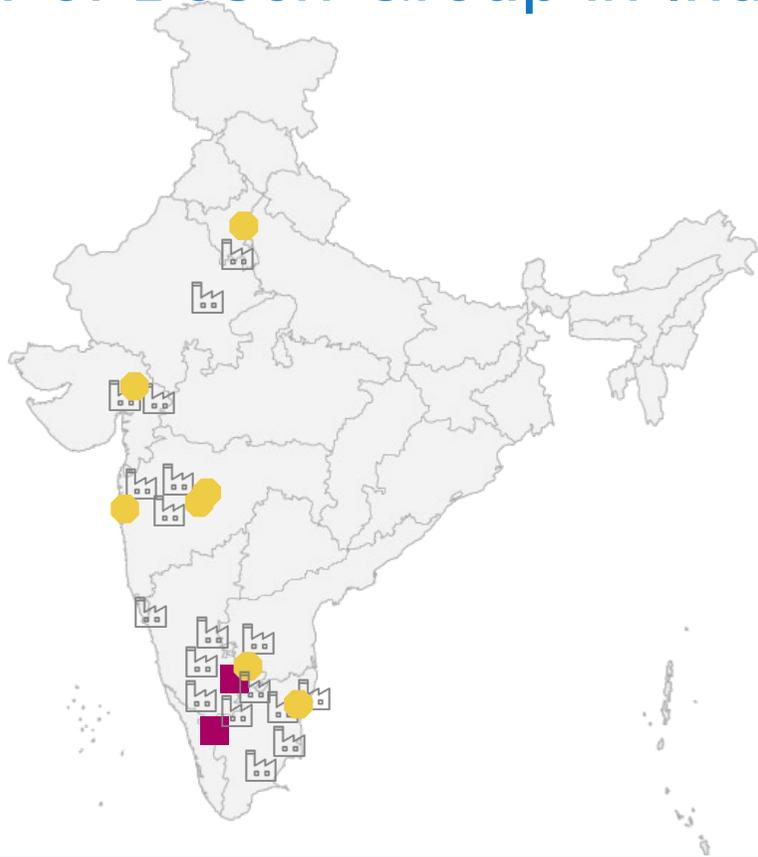


- ▶ Enable all electronic products to be accessible over the internet by 2020
- ▶ Provide new functions and services with connected products
- ▶ Turn connected products into people's intelligent assistants
- ▶ **Strategic target: Make Bosch a leading IoT company**

Bosch in India

Bosch Limited – Investors’ Meet 2019

Overview of Bosch Group in India FY 2018-19



● Headquarters
🏭 Manufacturing
■ Development

11 Companies

Sales: 214 bn

>1,500 Suppliers

~32,400 Employees

>3,500 Sales Outlets

18 Mfg. plants

Bosch Ltd

Sales: 123 bn

~9,410 Employees

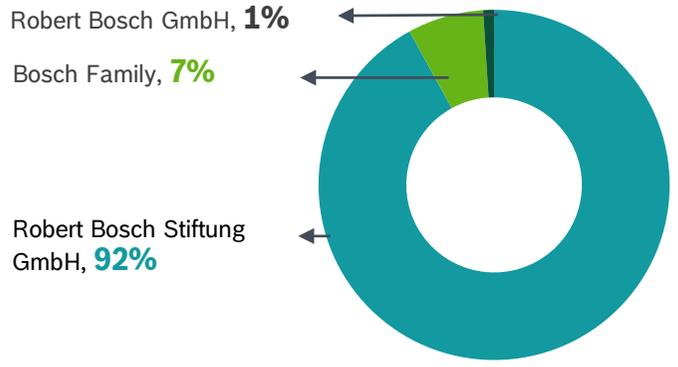
8 Mfg. plants

Bosch Ltd. is the flagship company of the Bosch Group in India

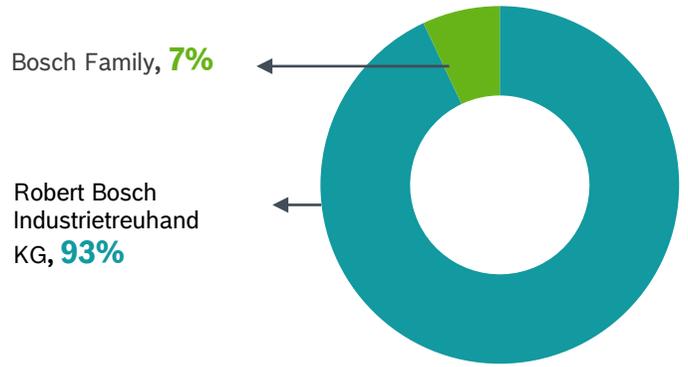
Bosch Limited - Investors' Meet 2019

Bosch's uniqueness

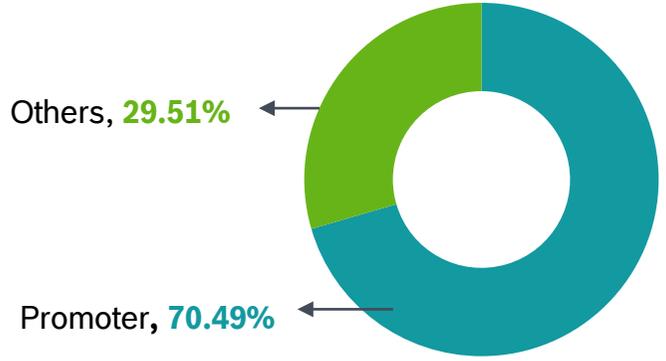
RB GmbH Shareholding



RB GmbH Voting Rights



Bosch Ltd. Shareholding and Voting Rights



Unique shareholding pattern → Globally: majority shareholding with a Trust

Bosch Limited – Investors’ Meet 2019

Today we talk about

Bosch Group and Bosch India Overview

Changing landscape of Mobility Sector

Integrated System Solutions

Other Businesses

Bosch India Social Engagement

Bosch Limited – Investors’ Meet 2019

Challenging Global environment in 2018...

	TT SELL	CHQ BUY	NOTE BUY
USD	0.8142	0.8146	0.8886
GBP	0.5117	0.5121	0.5674
EUR	0.6527	0.6531	0.7225
NZD	1.0623	1.0634	1.1704
JPY	93.1470	93.4230	103.700
HKD	6.3		106.560



& challenging outlook for 2019!



Bosch Limited – Investors’ Meet 2019

Mobility: Regulatory Push and Market Impulses



The government is expected to mandate the sale of only electric three-wheelers from April 2023

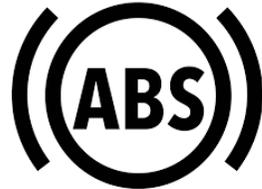
All new two-wheelers with engine capacity up to 150cc driving out of showrooms may have to be powered by electricity from April 2025.



Niti Aayog

नीति आयोग

National Institution for Transforming India



Emission Norms

BS4 countrywide, BS6 in 2020

Fuel Consumption Regulations

CAFE 2022

Crash Standard

All models from 2019

Safety

CV ABS 2015, PC and 2Wh ABS 2018, AIS145 (Mandatory Airbags, Reverse parking sensors, seat belt reminder)

Market Trends

FAME2 – Focus on Shared electric mobility & infrastructure

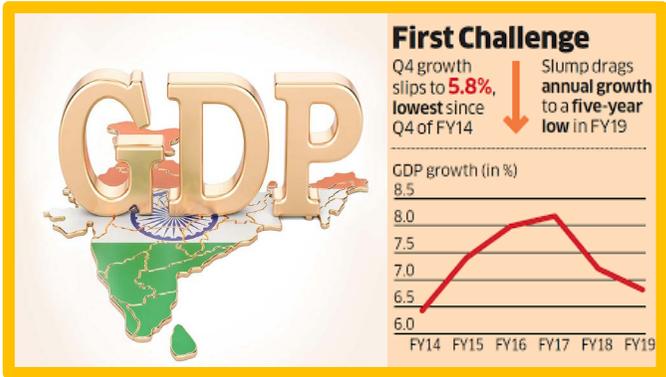
MOVE – Mobility Vision for India



Large amount of regulatory requirements and new market trends will drive fast technology and product adaptation for Indian Market

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Economic Overview – Key Indices



Severe Impact on the Indian Automotive Industry

Bosch Limited - Investors' Meet 2019

Strong headwinds for the Automotive Market

Nobody knows when the growth is going to come back. Nor do we: Rajiv Bajaj

By Nehal Challawaia, Satish John, ET Bureau | Updated: Apr 08, 2019, 01:38 PM IST



ET Bureau



HIGHLIGHTS

- We export around the world. We are less vulnerable to what happens in India.
- We are increasing production because we don't have an inventory problem.
- As commodity prices have fallen, we should be stable.

Siam president Rajan Wadhwa said the auto industry has not witnessed such a sharp drop in sales in the past decade. He said the industry is hoping for a recovery in the months ahead, with the arrival of festivals and an improvement in the availability of loans. "The automakers are in a situation where their cost is more than the revenue," he said.

Banks go slow on lending to auto dealers

Experts estimate the total outstanding loans to automobile dealers to be in the range of Rs 70,000-80,000 crore.

Maruti Suzuki Chairman RC Bhargava Warns of More Hit to Auto Sales in India

Maruti Suzuki chairman RC Bhargava has expressed apprehensions as he fears factors like the US embargo on Iranian crude imports and new BS-VI emission norms playing spoilsport.

Amid falling freight rates, truck makers may not see demand picking up

Pre-buying boost to sales may remain elusive as the slowdown grips several sectors

Auto slowdown: 286 dealers closed down in 18 months, 32,000 jobs impacted

The worst-hit is the passenger car segment. Maharashtra leads with 84 closures, followed by Tamil Nadu and Delhi

Slowdown Blues: Auto industry unanimous on its demand for GST cut to 18%, says SIAM

Around 2 lakh jobs have been cut across automobile dealerships in India in the last three months

Dealership inventory pile up despite production cut: FADA

As a result, industry experts feel that more dealerships will be pushed on a verge of closing due to increasing financial stress.

Auto slump strikes again: Mahindra plans 8-14 'No production days' in Q2

Industry stalwarts are lacking clarity on the market outlook and the poor customer sentiments

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Key Ongoing Initiatives

Focus on Core

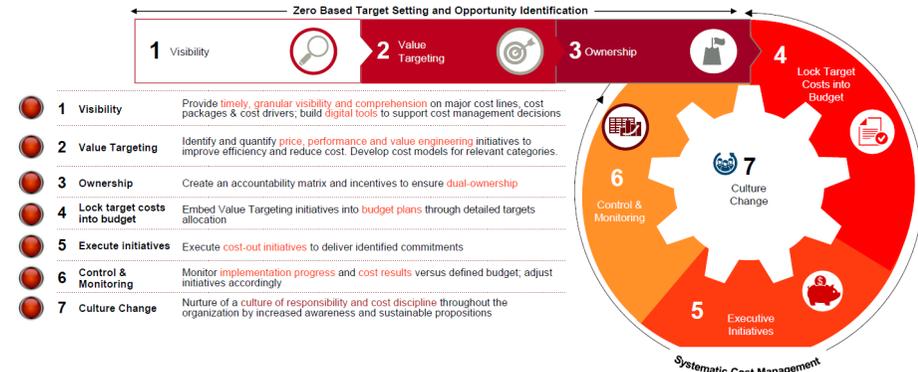
PS: BS6 Deliverables
Beyond Mobility
Operations Excellence
Localisation

Opportunities of Growth in New Areas

Core & Adjacencies
2Wh, CVO

Agile Project Houses

Electrification, Mobility
Services, I4.0



ZBB & ZBO

M&A and Other Strategic
Alliances

Inorganic Growth

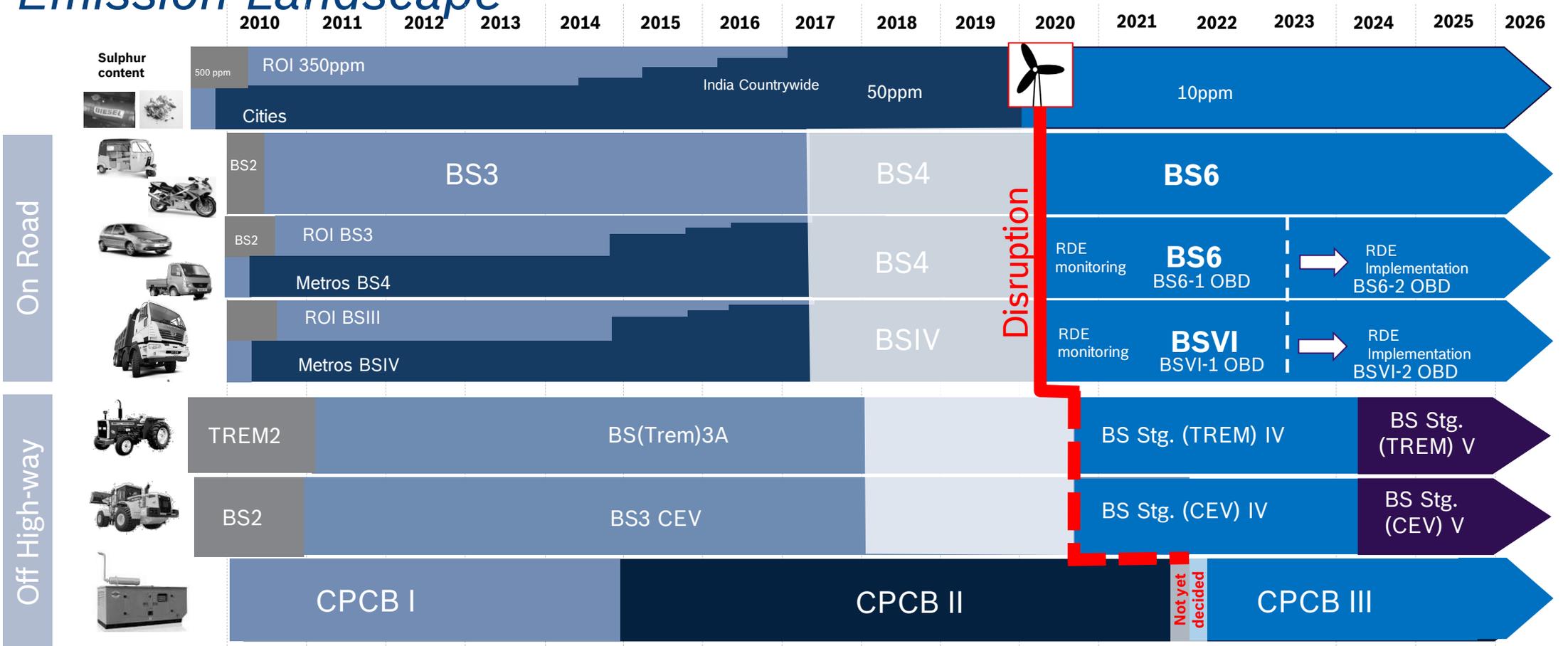
Space and Property
Optimisation

Transformation and Restructuring is paramount for staying future relevant

Looking Ahead...

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Emission Landscape



Indian automotive industry is undergoing a disruptive technology change during the next years

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Powertrain Transformation

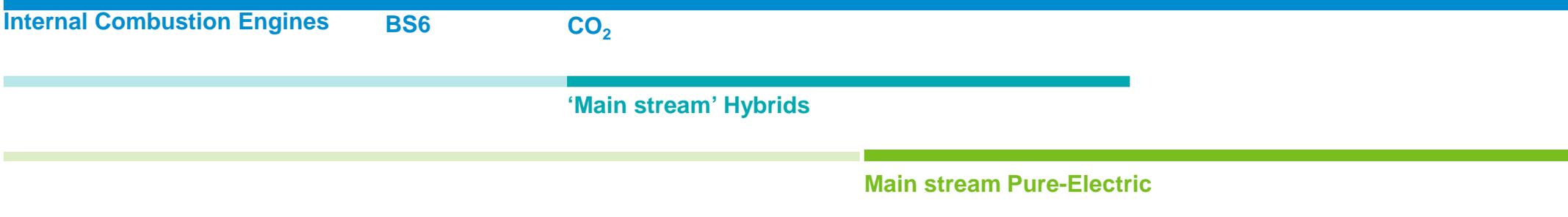


2020



2023

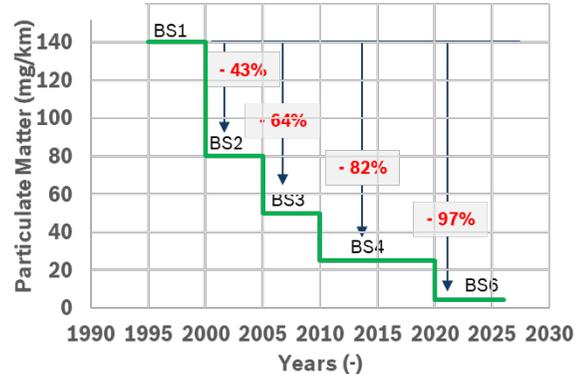
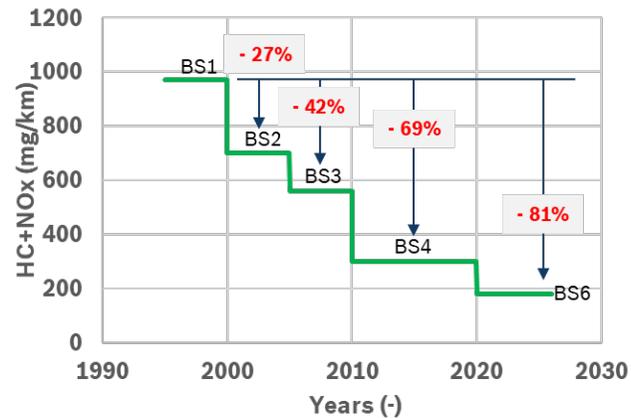
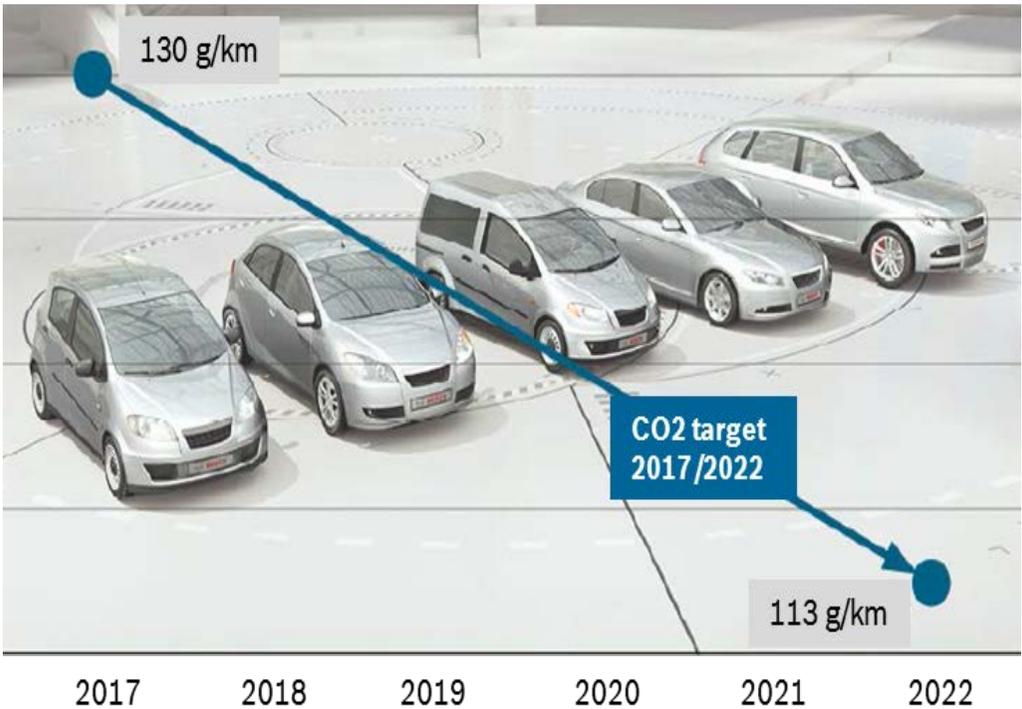
2030



Transition from ICE to Hybrid and Pure Electric in a structured manner

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Engineering Targets



Bosch has partnered with customers to successfully develop BS6 technology in record timeline

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Bosch Solutions for Electrification

Project house
Electromobility



Solutions ranging from 48V Hybrids to high voltage electric for all performance / vehicle classes



eScooter Sharing



HMI



Research and advanced engineering for future EV concepts



System integration



Charging Solutions



Re-generative braking systems PC



Thermal Management Solutions



48V and higher hybrid Solutions



eDrive for EVs



Battery for EVs

A modular product and services portfolio covering the entire ecosystem of electrification

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Two-Wheeler technology Overview

Assistance systems



Steering-angle sensor



Inertial measurement unit



Wheel-speed sensor



Motorcycle antilock braking system (ABS)



Motorcycle stability control (MSC)



ESP®



Semi-active damping control unit



Engine control units



Crankshaft speed sensor



Other engine management sensors



Fuel-supply module



Throttle position sensor



Throttle body Assembly*



Electronic throttle body



Manifold air-pressure sensor & temperature sensor



Canister purge valve



Combined charge sensor



Fuel injector



Spark plug



Lambda sensor



Lithium starter battery



In-hub Motor



Central drivetrain



Control Unit

Li-Ion Battery



Charger

Connectivity systems



Integrated connectivity cluster



mySPIN



Connectivity control unit



Connectivity control unit for B2X



Connectivity box



E-Scooter Display



Remote (Bosch App)

*Licensing only

Bosch provides the comprehensive Systems, Services and Solutions

Bosch Limited – Investors’ Meet 2019

Today we talk about

Bosch Group and Bosch India

Changing landscape of Mobility Sector

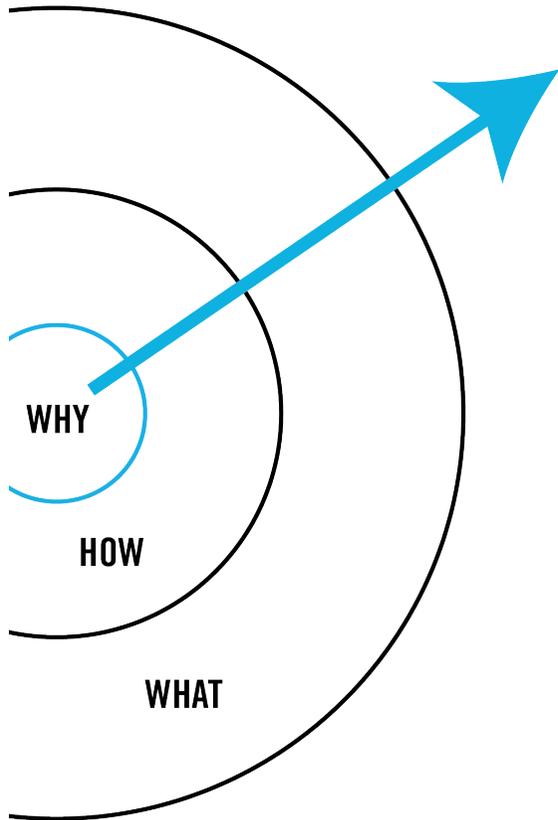
Integrated System Solutions

Other Businesses

Bosch India Social Engagement

Bosch Limited – Investors’ Meet 2019

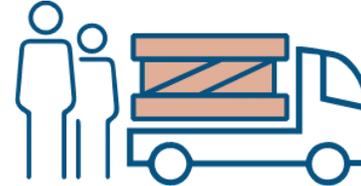
Project House Mobility Solutions



START WITH THE WHY

WHY PURPOSE

What do you believe?



“Emission Free”
“Accident Free”
“Stress Free”

On a more personal note
Can I

- help my children breathe better air?
- prevent accidents for my near dear ones?
- enable myself to spend more time with family?

HOW PROCESS

Specific actions to realize the why



WHAT RESULT

What do you do?

Corporate
Mobility

Parking
Solutions

RDE
Prediction

Preventive
Diagnostics

Urban Traffic
Simulation

Bosch Limited – Investors’ Meet 2019

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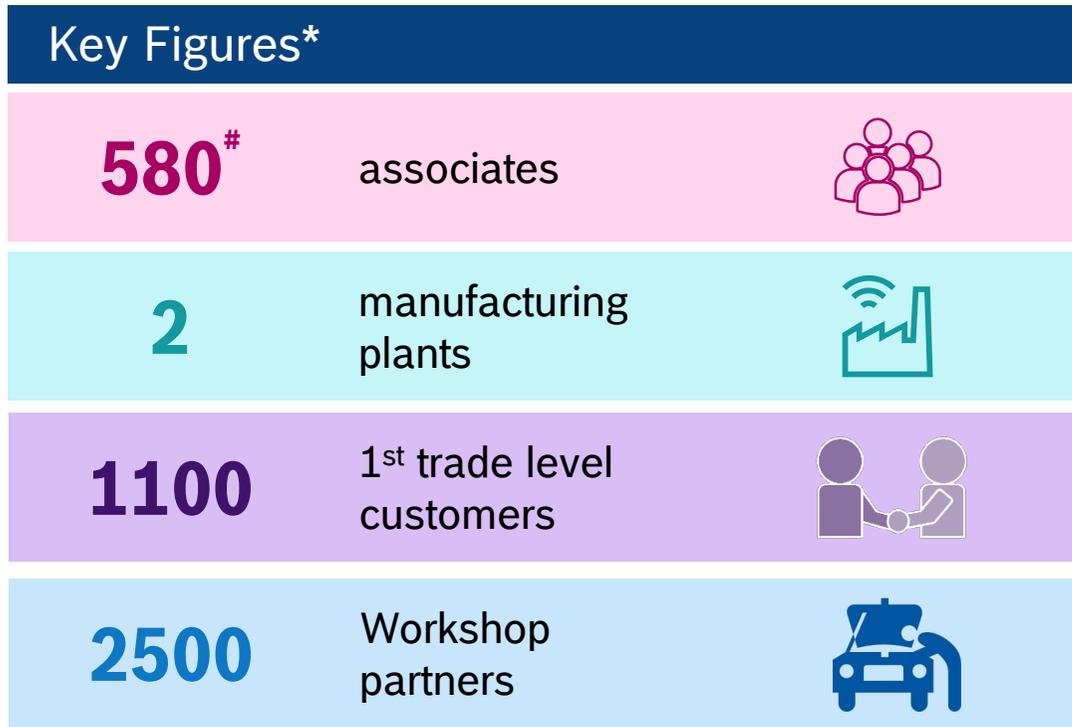
Integrated System Solutions

Other Businesses

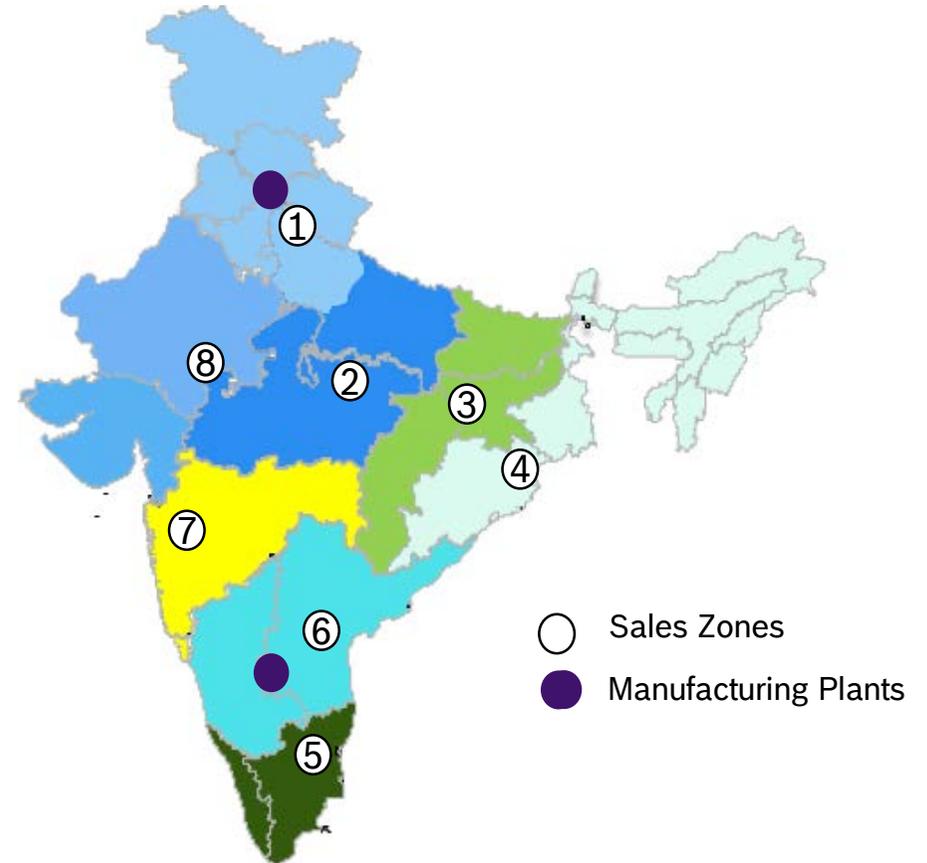
Bosch India Social Engagement

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Bosch Automotive Aftermarket India - Overview

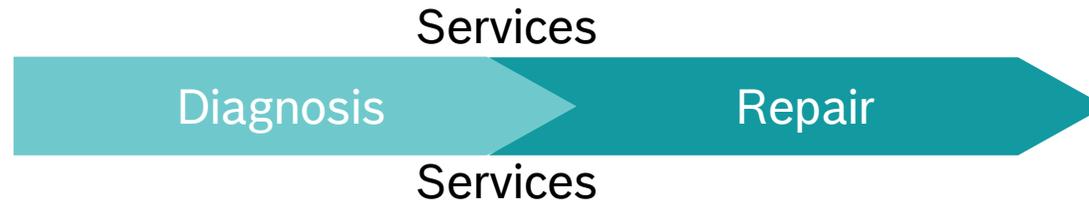


#Managerial staff only



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Automotive Aftermarket Strategy: Parts, Diagnostics & Services



Parts



Diagnostics

Software ESI[tronic]



Test equipment & products



Workshop Services

Connected Cloud Services



Car Driver Portal



Technical training and hotline



Connected Workshop



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Power Tools: Product Portfolio



Construction Range



Metal Working Range



Power Tool Accessories



Woodworking Range



Cordless Range



Total Measuring Solutions



Cleaning Solutions for Maintenance

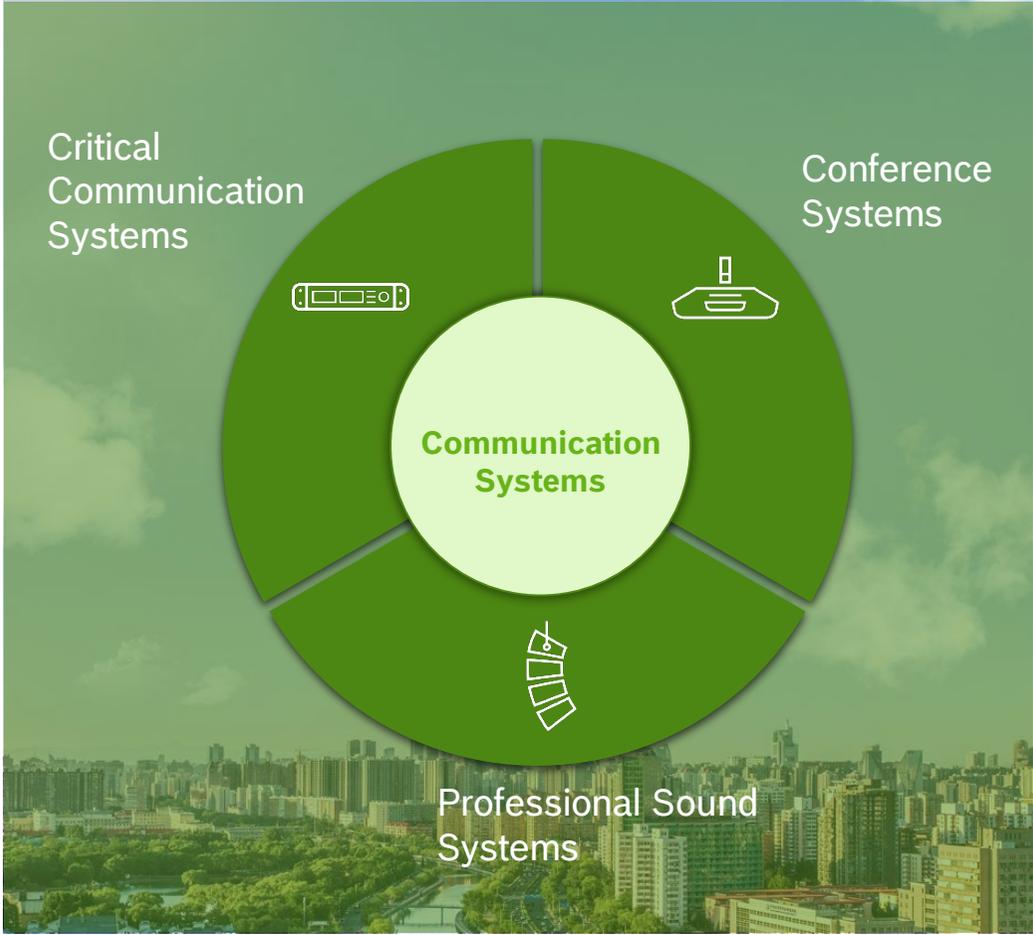


Service



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Bosch Security and Safety Systems Solutions Portfolio



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Bosch Energy and Building Solutions: Overview

“First Energy Services Choice for Industrial and Commercial Customers”



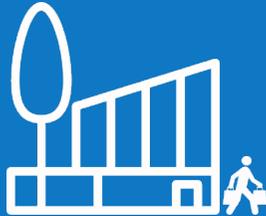
Solar PV Solutions
~88% Revenue



Energy Efficiency Solutions
~12% Revenue



Industrial
~75% Revenue



Commercial
~25% Revenue



Solar Roofs

Best Solar EPC Player,
2019



National Energy Circle Awards

Energy Efficiency Implementation, 2017



REI Awards

Best Solar Rooftop Integrator in India, 2018

Key Accreditations



GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY

Highest rating of SP1A Channel Partner for on-grid and off-grid Solar PV installations



BUREAU OF ENERGY EFFICIENCY
Government of India, Ministry of Power

Highest rating of Grade 1 ESCO for Energy Efficiency related offerings

Key Industrial & Commercial Customers

VE COMMERCIAL VEHICLES
A VOLVO GROUP AND EICHER MOTORS JOINT VENTURE

RENAULT NISSAN

SIEMENS

MARUTI SUZUKI

HONDA

LEAR CORPORATION

HATSUN
Dairy Products

CIAL
COCHIN INTERNATIONAL AIRPORT LIMITED

Kempegowda
INTERNATIONAL AIRPORT BENGALURU

BAGMANE

Narayana Hrudayalaya Hospitals

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Bosch Energy and Building Solutions | Key Projects



Bagmane Tech Park
Belgaum
28 MW ground-based solar project
Fastest executed solar project by Bosch



Honda Motorcycle and Scooter India
Manesar, Tapukera, Vithalapur, Narsapura
25 MW rooftop solar project
Largest rooftop implementation by Bosch

Bosch Limited – Investors’ Meet 2019

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Other businesses

Bosch India Social Engagement

Bosch India Social Engagement Sustainability and Scale

► We Skill

► BRIDGE:

- 26,000 youth trained and employed through 272 BRIDGE Centers across India
- New partnerships included TATA Steel, Jamshedpur and TDU University, Bengaluru

► Artisan Training

- 9 Artisan Centers with 150 Artisans trained so far
- Focus on Carpentry, Plumbing and Electrician trades

► We Care

- Continued healthcare and education interventions benefitting 70,000 children in 300 Government schools
- 25,000 freshly-cooked and nutritious meals served from Bosch-Akshaya Patra Kitchen to eliminate classroom hunger in 141 Government schools in and around Jigani

► We Share

- Smart parking, 2 Solar plants, 8 Aerators & 200 segregated waste bins at Lal Bagh Botanical Garden, Bengaluru
- 14 Check Dams in Nashik and 25 RO Plants in Jaipur
- Shanumangala Lake Rejuvenation in Bidadi

► We Empower

- Holistic village development intervention in 307 villages
- Women Empowerment Center in Nashik, Garment tailoring training in Bidadi, Primavera Knowledge Center benefitting 70 rural girls



Bosch Limited – Investors’ Meet 2019

Bosch Global Board Visit : 16th to 18th July



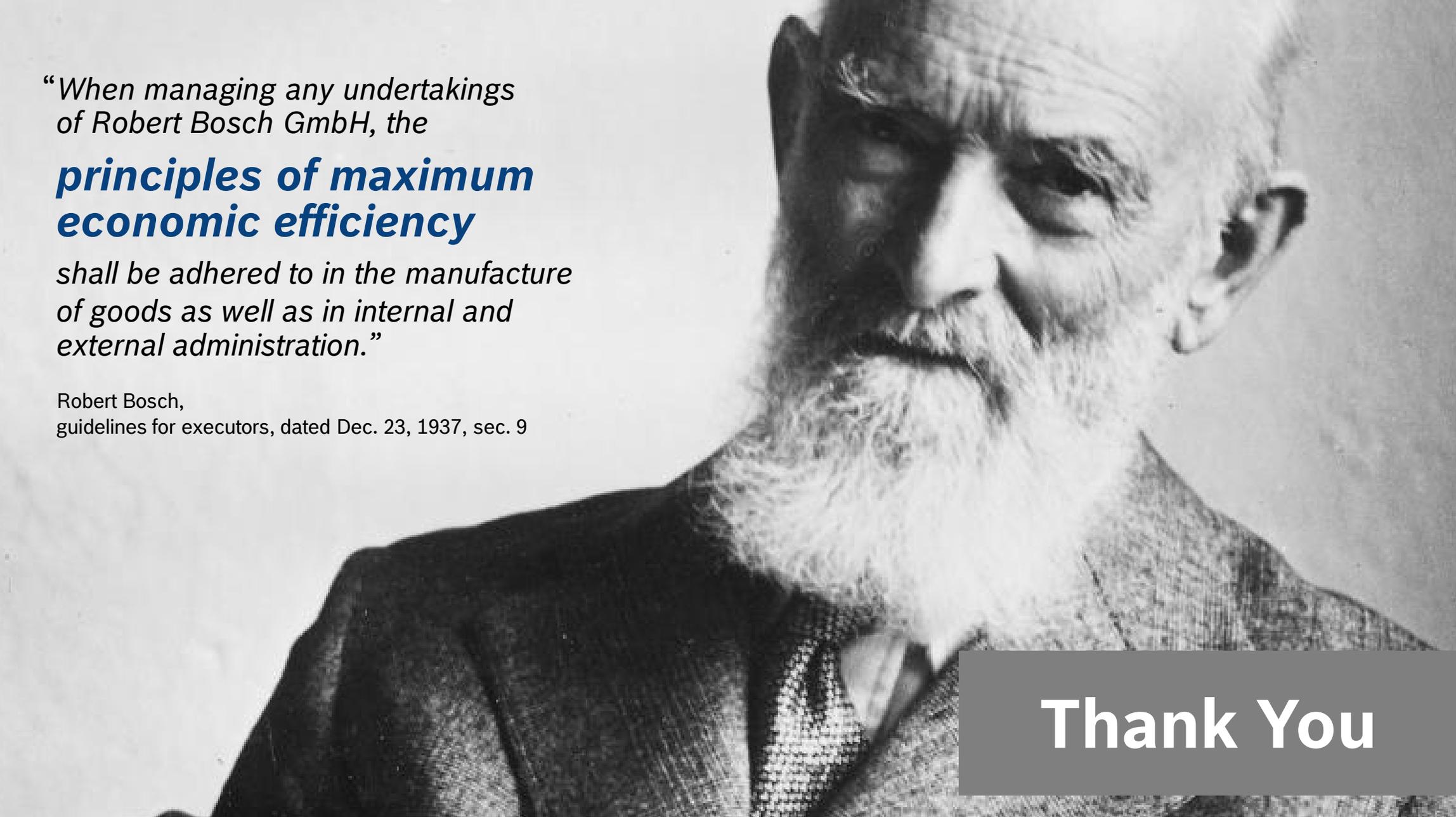
Bosch Global Board Visit >> Reestablishes Bosch’s resolve to partner India as it transforms

*“When managing any undertakings
of Robert Bosch GmbH, the*

***principles of maximum
economic efficiency***

*shall be adhered to in the manufacture
of goods as well as in internal and
external administration.”*

Robert Bosch,
guidelines for executors, dated Dec. 23, 1937, sec. 9

A black and white portrait of Robert Bosch, an elderly man with a full white beard and mustache, wearing a dark suit jacket and a patterned tie. He is looking slightly to the right of the camera with a thoughtful expression.

Thank You