# Significance of Small and Medium-sized Enterprises' Addressing SDGs



Tetsuo Ohkawa Representative Director

#### **Corporate Profile**

Head Office: Totsuka-ku, Yokohama

Year of Establishment: 1881, Years in Business: 137 years

Capital: 20,000,000 yen, Number of Employees: 36 (as of November, 2018)

We have been in operation with "Social Printing Company" as our public mission since 2005.

We have been the only case of achieving Zero Carbon Printing in Japan with all the CO<sub>2</sub> emissions to be generated through its annual printing business preliminarily offset.

Selected as one of the leading small and medium-sized enterprises eligible for a project of the Ministry of the Environment that assists these enterprises' efforts to address 2-degree goal and RE100 initiative, we aim at achieving RE100 within this year.







Excerpts from the original web pages of respective companies.

## Important Points to Be Conveyed in the Training

- Backgrounds of Local Small and Medium-sized Enterprises' Addressing SDGs
- Business Plan for SDGs to Incorporate SDGs into Corporate Management
- Contents of Business Plan for SDGs
- Examples of Local Collaborative Efforts by Companies, Municipalities and NPOs
- Significance of Local Small and Medium-sized Enterprises' Addressing SDGs



#### About SDGs (Sustainable Development Goals)



- Internationally common goals to be achieved in a period from 2016 to 2030
- The most distinctive feature of SDGs comprising 17 goals (as shown above) and 169 targets is that they are universally applicable to all countries including industrialized ones.



なってきている。

んを発症した問題は、

などを作る校正印

物質が原因との指摘が

もなかった」。 会社からの説

記者会見する印刷会社の元従業員ら (7月31日、大阪市中央区)

印刷従業員 若手に多く

業務との関係

の関西労働者安全セン 業に従事して いずれも色見本などの 発症者や遺族を支援す

被害が広がっただけ れている化学物質の一 携帯電話の電磁波やコ ジクロロメタン」は

の発症リスクと同じ

ん性があるかもしれ

Nikkei Shimbun, August 7, 2012

64 former employees of

printing firms have claimed

workers' compensation for

their bile duct cancer as of

the end of February in 2013

already dead at the time of

their claims), which caused a

(Excerption from the article of Nikkei

(including 39 who were

Shimbun on March 14, 2013)

social problem.



# 6

は時間がかかる見通

#### Backgrounds of Local Small and Medium-sized Enterprises' Addressing SDGs

- The revision of the Charter of Corporate Behavior by the Japan Business Federation focused on the achievement of SDGs through Society 5.0 (2017)
- Publication of ISO20400-Sustainable Procurement (2017)
- Expansion of SRI (Social Responsibility Investment) and ESG (Environment, Society and Governance) Investment
  - → Social demand for the disclosure of nonfinancial information

It was considered to be inevitable that suppliers and business partners required us to observe SDGs.



# **Business Plan for SDGs to Incorporate SDGs** into Corporate Management







#### Business Plan for SDGs: Matrix of Challenges by Importance

#### Ohkawa Printing's 2018 Business Plan for SDGs [7. Affordable and Clean Energy] [8. Decent Work and Economic Growth] Extremely important Realization of printing business through RE100 Healthy management, improvement in working conditions and (Renewable energy supply through the installation of solar reduction in overtime by Otaki, Minowa and Shimizu panels and the contract with Minna-denryoku) by Tanaka Creation of jobs and customers in place of attachments (seals and labels) by Sato [15. Life on Land] Review of costs and prices and creation of unit price table by More than 50% use rate of FSC (Forest Stewardship Council) certified paper • Production of FSC recycled paper by Kikuchi and Matsuo Increase in the levels of salaries by Tanaka Renewal of respective calendars by Sugimura [12. Responsible Consumption and Production] [9. Industry, Innovation and Infrastructure] Improvement of quality assurance and management by Fukuyo Achievement of zero emission by Ito and Takahashi • 100% no VOC use (by 2020) by Sato Assessment of the states of machines in machine maintenance Promotion of marketing more than just introduction of a company by Ueda Study on 2D and 3D by Okada [5. Gender Equality] Collaborative work with the Yokohama Gender Equality Center by Kajiwara Rose project by Imai [17. Partnerships for the Goals] [4. Quality Education] Important Participation in external seminars and publication by Kajiwara Enhancement of training for human resource cultivation by Acceptance of interns by Tanaka Nakahashi, Moroboshi and Inoue • Improvement of skill and knowledge in printing, bookbinding and [6. Clean Water and Sanitation] peripheral work by Sato, Takahashi, Sasaki, Haraguchi and Research on the treatment process of dampening water discharged from printing machines by Printing Department [8. Decent Work and Economic Growth] Promotion of high-spirited and proactive work place by Kusama Improvement of evaluation system by the members of management improvement committee Young café by Ueda **Moderately important** [4. Quality Education] Creation of exciting program to experience typographical printing by Ugajin, Shimizu and Minowa [4. Quality Education] Acquisition of the certification of First Grade Printing Engineer Implementation of a workshop with the president as an instructor (Sasaki) by President Ohkawa Acquisition of the certification of Second Grade Printing Engineer (Ueda)

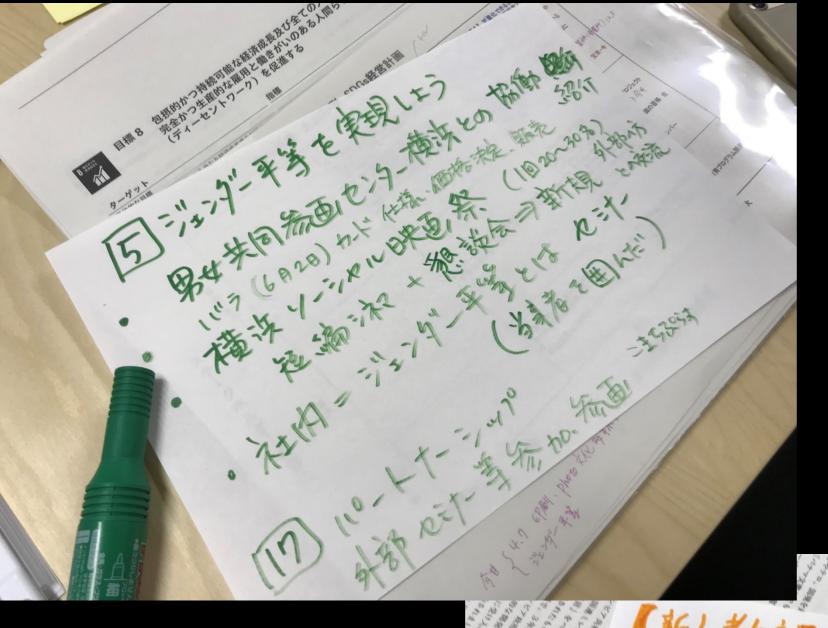
**Moderately important** 

**Important** 

**Extremely important** 

Level of influence on Ohkawa Printing

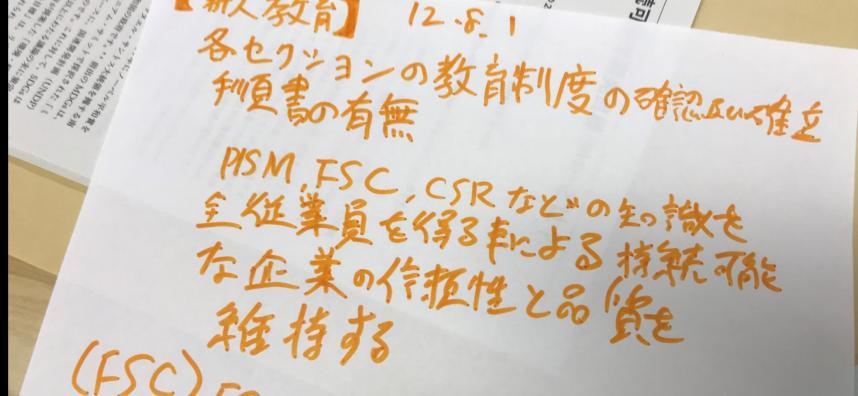




Formulation of business plan through a bottom-up process getting full participation of the employees

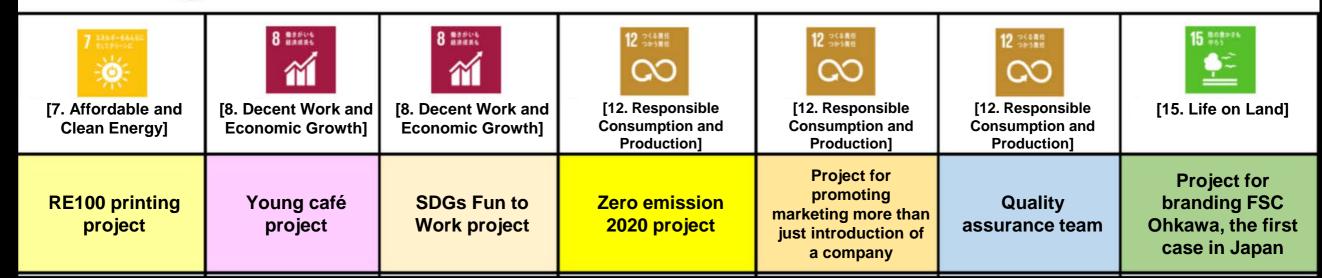
→ Promotion of activities motivated by the sense of participation among employees while eliminating the sense of being pushed to work to the extent possible







#### Project Teams for the Ohkawa Printing's 2018 Business Plan for SDGs







Young café project



## Zero Carbon Printing, the Only Case in Japan

























### **Zero Carbon Printing**











#### A mechanism to offset all CO<sub>2</sub> emissions generated through printing work

CO<sub>2</sub> reduction projects at respective places

- FSC® certified afforestation project in Shimokawa Town, Hokkaido and Yamanashi
- Introduction of household use photovoltaic power generation

Credit procurement (J-credit)





Support for projects

**Ohkawa Printing** 

Offsetting the CO<sub>2</sub> emissions generated through printing work

Delivery of zero CO<sub>2</sub> emission printed matters



Contribution to environment through service procurement

**Business operators** 

Contribution to the reduction in Scope 3 (indirect emissions)

Selection of products with displays of zero CO<sub>2</sub> emissions



Consumers

Contribution to the fight against global warming by selecting products with displays of zero CO<sub>2</sub> emissions



# **Effects of Zero Carbon Printing**











CO <sub>2</sub> offset amounts by projects							
	2016	2017	2018 (planned)				
Power supply through household use photovoltaic power generation system	165 t	159 t	167 t				
Projects for enhancing forest biomass at many places including Gomionsen, Shimokawa Town, Hokkaido	5 t	5 t	1 t				
Project for enhancing Yamanashi prefectural forest biomass as countermeasure against global warming	5 t	5 t	1 t				
Yokohama Blue Carbon Project		1 t	1 t				
Total	175 t	170 t	170 t				



# Installation of Solar Panels with No Initial Investment Cost







 Completion of the installation of solar panels on the head office building in July



日本經濟新聞

の事業者向けに、初期投 資の負担ゼロで太陽光発 電システムを導入する事業者の敷地内に設置。事業者は消費電力の一部を 業者の敷地内に設置。事業者は消費電力の一部を 業者は消費電力の一部を 大陽光発電から購入する事 で表記が発電から購入する事 で表記が発電から購入する事 で表記が発電から購入する事 で表記が発電から購入する事 で表記が発電から購入する事

こにシステムの設置を終

7月をめ

事 約を締結した。契約期間 発 (横浜市)と発電容量90 円 第1弾として大川印刷 所 第1弾として大川印刷 のシステムの導入契 のシステムの導入契

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貸負担ゼロ

ソーラフロンティ

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日本経済新聞\_2018年3月6日(火)朝刊



Selected as One of the Leading Small and Mediumsized Enterprises Eligible for a Project of the Ministry of the Environment that Assists These Enterprises' Efforts to Address 2-degree Goal and RE100 Initiative







- Setting of SBT (Science Based Target)
- Calculation of emission amounts in Scopes 1 and 2
- Selection of a Scope 3 category, either an emission amount per product or service or contribution to emission reduction
- → Achievement of RE100 printing company (within this year)



#### Effects of SDGs: Human Resource Cultivation and ESD









- 1. I realize the significance of environment conscious attitude toward individual work in a company because it has a strong relation to global issues.
- 2. I thought that SDGs are the key words to select a place of employment for my child (a high school student) when a guidance counselor told us that every company looks animated now because of 2020 Olympics but we have to look for companies which will be flourished even after 2020.
- 3. Children's shopping behavior has been changed after knowing SDGs.







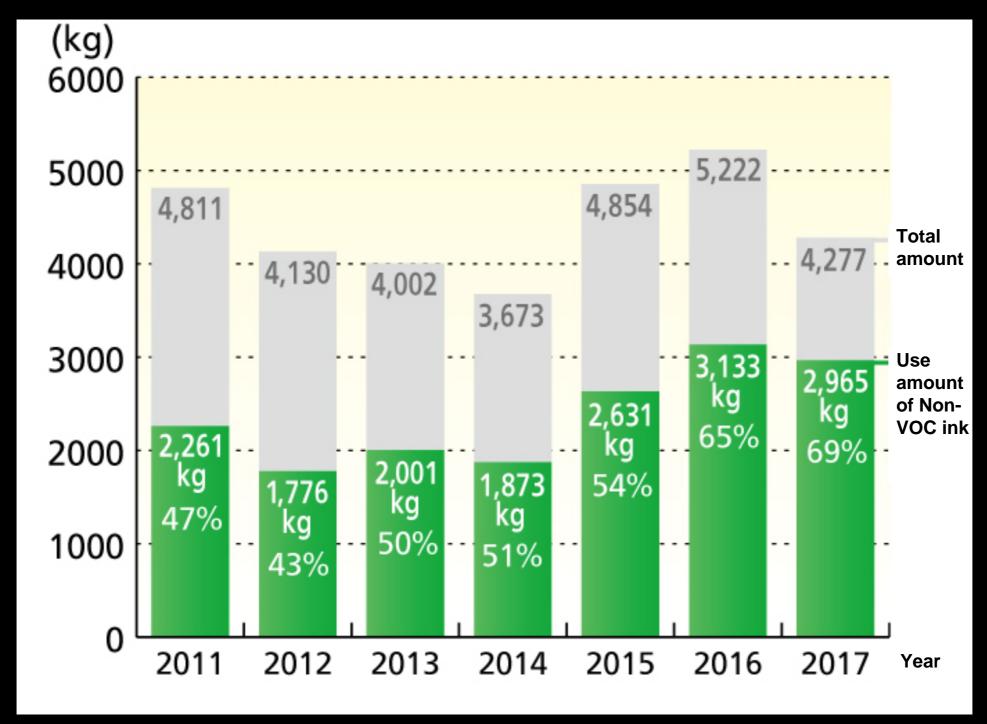
# Sustainable Procurement: Use of Ink with No Inclusion of Petroleum Oil for 70% of Deliverables











\* Ink with no inclusion of petroleum solvent has been used since 2005 (statistical data for such ink is available from 2008)



#### Production Amount and Share of Environmentfriendly Planographic Ink (Unit: T and %)

	2011		2013		2015	
	Production	Share	Production	Share	Production	Share
Vegetable-oil-based ink	124,926	85.0	115,999	89.3	105,680	95.2
Non-VOC ink (excluding UV ink)	1,196	0.8	2,239	1.7	1,617	1.3

Non-VOC ink has accounted for only a few percentage points in the total ink production.

The percentage point was only 1.3 in 2015.



## Sustainable Procurement: Effects of the Use of Non-VOC Ink







- Prevention of global environmental pollution and destruction
- Reduction in the use of fossil fuel
- Reduction in VOC (volatile organic compounds) responsible for air pollution
- Alleviation of the symptom of people with chemical sensitivity
- Employees' high marks for improved work environment
   → Safe and healthy workplace

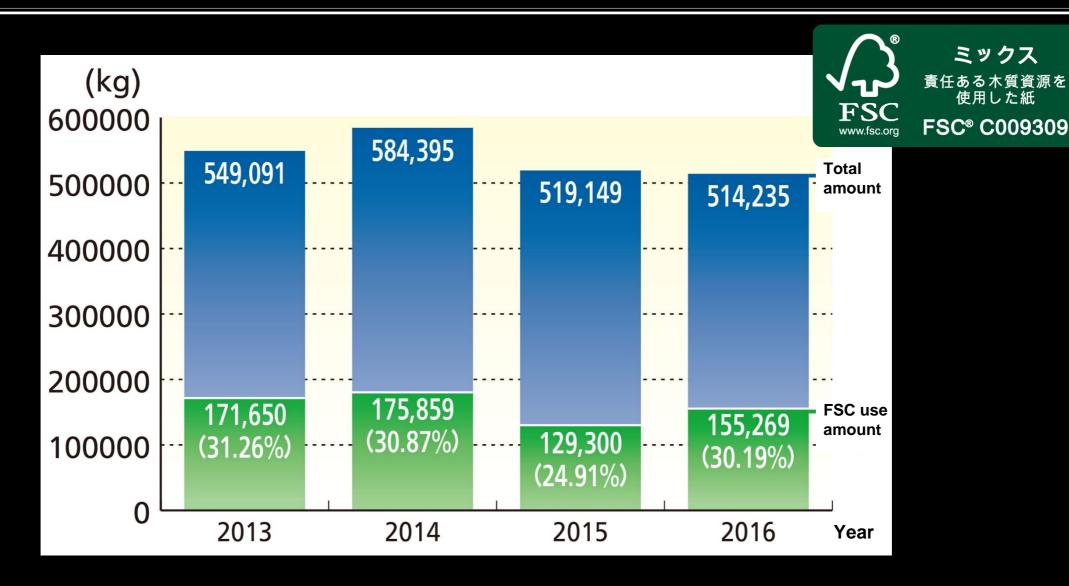




# Sustainable Procurement: FSC Use Rate of 39% in 2017







FSC certification system has been in operation since 2004 and the cumulative total number of deliverables with the display of FSC certificates reaches 3,869.



# UV LED Printing and CCD Cameras











Significant reduction in defective printing = Shortening of working hours

UV LED printing press can save more than 70% of electric power consumption compared to conventional printing presses.



Quick-drying performance of UV LED printing press = Shortening of working hours



# **Example of Community Activity: Exchange Meeting for SDGs through River Project**





## Purposes of the Exchange Meeting for SDGs through River Project

- Formulation of a flexible study group by local residents and companies along a river to experience the environmental issues associated with the river
  - → Establishment of a partnership
- Correct understanding of and actions against the problems with waste plastic
- Fostering of people who act for SDGs not who think about SDGs
  - → Production of activists for SDGs
- + Monitoring and curbing of greenwash
- → Horizontal development of this model activities for the promotion of SDGs throughout the country





# Significance of Local Small and Medium-sized Enterprises' Addressing SDGs

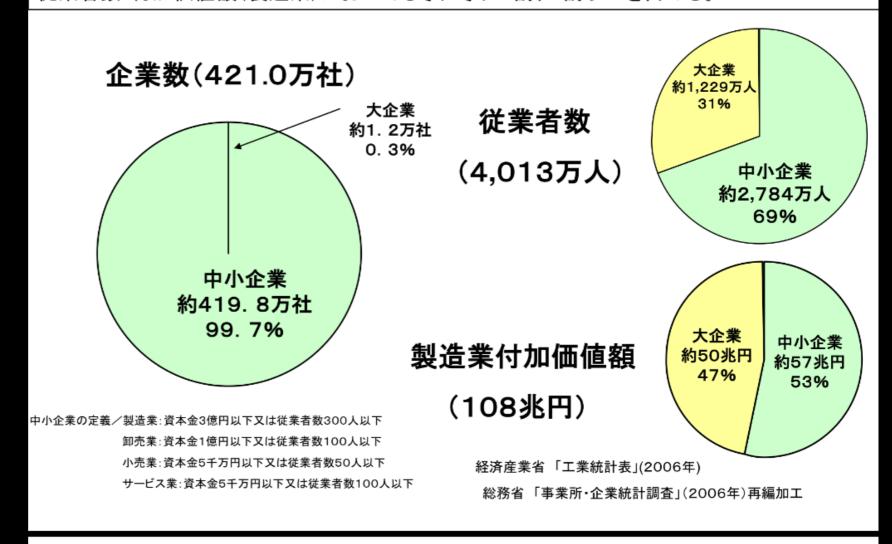
Responding to the approach of the ICSB (International Council for Small Business), which is a major international authority of the research on small business, the United Nations designated June 27 as Micro, Small and Mediumsized Enterprises (MSMEs) Day in 2017.

Participation of MSMEs accounting for 99.7% of all enterprises is of significance for promoting SDGs.

SDGs are higher incentives than CSR.

#### <1. 日本の中小企業>

中小企業は、我が国421万企業のうち99.7%を占める。 従業者数・付加価値額(製造業)においてもそれぞれ7割、5割以上を占める。





# SDGs Have Helped Win 36 New Customers Including 4 Listed Companies This Year









### Factory Tour Is Available on Every Wednesday



https://www.ohkawa-inc.co.jp/

