

Panasonic

HEALTH

EDUCATION

Panasonic Group CSR Activities

パナソニックグループのCSR活動

in Areas without Electricity

再生可能エネルギーを活用した
無電化地域での活動

CSR & Citizenship Dept.
Panasonic Holdings Corporation

MORE INCOME



Overview of the Panasonic Group

パナソニックグループの概要

Foundation

March 7, 1918

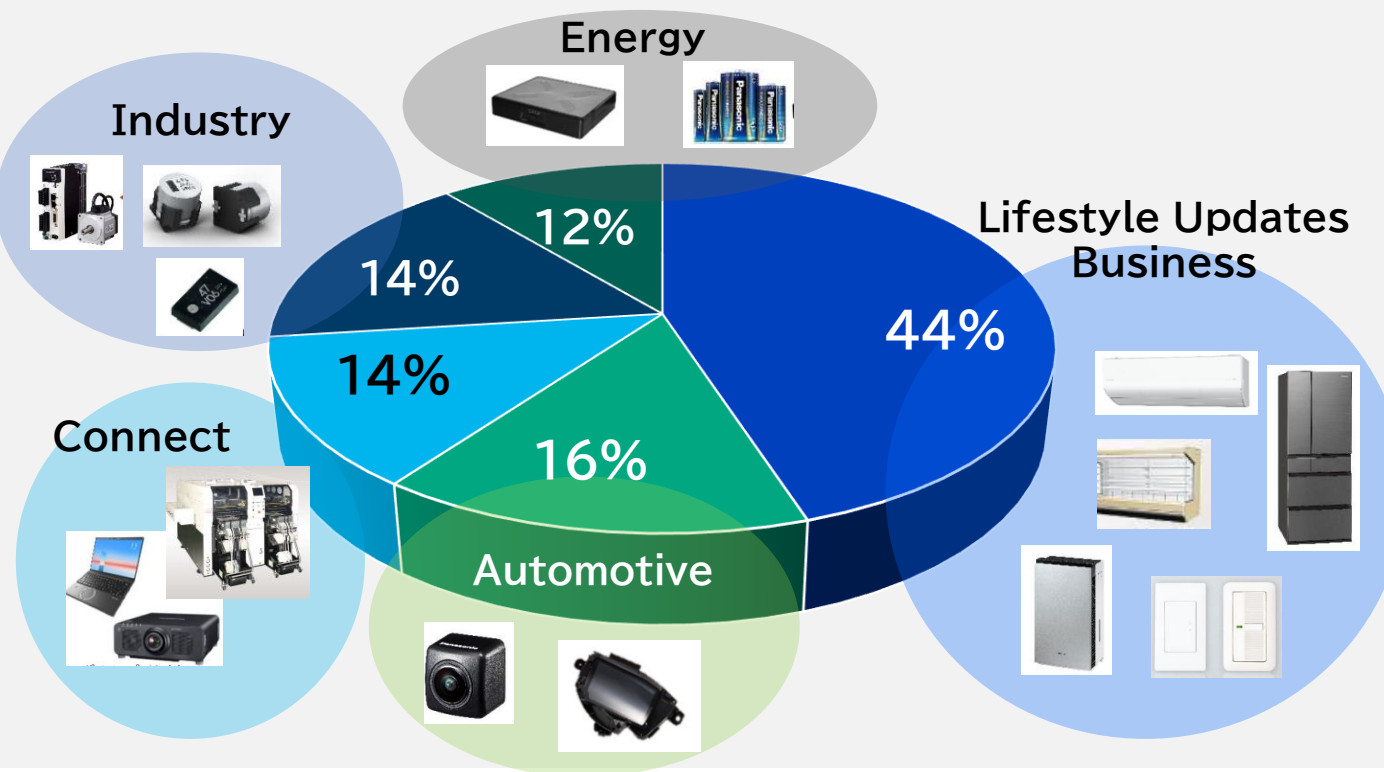
Business contents

Production, sales and service from parts to household electronic equipment, electric appliances, FA equipment, information communication equipment, housing related equipment etc. Comprehensive electronics manufacturer

Net Sales

8,378.9 billion JPY (FY2022)

<Net Sales of Composition Ratio by Segment>



Capital Stock

259.3 billion JPY

Number of employees

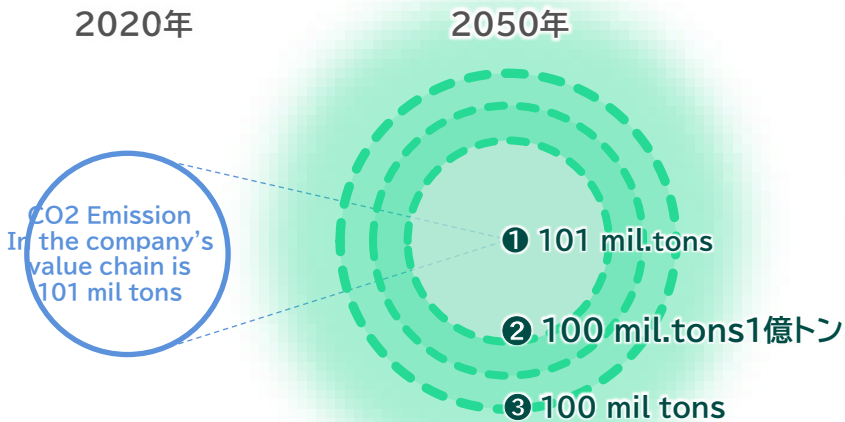
233,391

Number of consolidated companies

523

as of March 31, 2023

Panasonic GREEN IMPACT



自社VC*1のCO₂排出実質ゼロ

事業継続の責務として一刻も早く実現

- ① スコープ1・2・3 CO₂排出削減量*2

Net zero emission in the company's value chain

事業を通じた社会へのCO₂排出削減貢献

エネルギー需要側からの排出削減を促進

- ② 既存事業での CO₂排出削減貢献量
- ③ 新技術・新事業での CO₂排出削減貢献量

Contribution to society through CO₂ reduction in corporate activities

More than 300 mil. tons reduction impact

3億トン以上の削減インパクト*3

スコープ1, 2, 3 実質ゼロ化の責務とともに
社会へのCO₂排出削減貢献を加速し 地球環境問題の早期解決を目指す

Scope 1, 2, 3: Commitment to net zero emission and contribution to society through acceleration of CO₂ reduction, aiming to solve global environmental issues

*1 Value Chain *2 社会の脱炭素効果を含む *3 2020年の排出係数で算出

Social contribution activities Activities by Panasonic Group

パナソニックグループの社会貢献活動



Contributing to the achievement of the SDGs through business activities

Responsible business conduct

Human right, Factory wastewater

compliance

Providing Value through business activities

Product, Service

Social contributions by Company, employees

Volunteer, Social program

corporate citizenship activities



Introduction video of CorporateCitizenship Activities

企業市民活動紹介の動画

Panasonic Group

Key Themes in Corporate Citizenship Activities

企業市民活動の主なテーマ

- ◆ What we aim for as a group Progressing toward realizing an ideal society offering material and spiritual affluence 物も心も共に豊かな理想の社会
- ◆ Brand slogan Live Your Best 幸せの、チカラに

- ◆ Target vision for society

Sustainable and inclusive society

where everyone can live a vibrant life more freely

誰もが自分らしく生き生きとくらすサステナブルな共生社会

- ◆ Key themes

Ending Poverty



貧困の解消

Create opportunities to solve problems

Environmental Activities



環境

Raise company and employee awareness, and change behavior

Human Development (Learning Support)



人材育成

Learning support to realize a sustainable and inclusive society based on mutual understanding

Social Contribution Activities by Panasonic Group

パナソニックグループの社会貢献活動

Renewable Energy Activities

再生可能エネルギーを活用した活動

Aiming to achieve impact to the people and society, not only to climate change 気候変動だけでなく、人や社会に及ぼすインパクトを目指す

Contributing to sustainable urban development through poverty reduction 貧困の解消で持続可能なまちづくりに貢献



ソーラーランタン
Solar Lantern



LIGHT UP THE FUTURE プロジェクト

A project that lights up the future
of areas without electricity

無電化地域の未来を照らすプロジェクト

LIGHT UP THE FUTURE



LIGHT UP THE FUTURE Project aims to alleviate poverty

貧困の解決を目指すプロジェクト

BOP (Base of the Pyramid)
4 billion people

Population living
on less than
\$3,000 per year

BOP人口40億人



Absolute poverty
736 million people

Population living
below absolute
poverty line (\$1.90
daily income)

絶対貧困人口7.36億人

Our poverty alleviation activities
target **non-electrified regions**

貧困解消に向けた活動のターゲットを無電化地域に

Population with no
More ← electricity access → Less



About 660 million
people worldwide
have no access
to electricity

無電化人口約6.6億人

Sources:

- Populations and rates of absolute and multidimensional poverty: United Nations Development Programme
- Electrification/non-electrification rates: IEA-World Energy Outlook 2021 research data
- Electrification population map: [Alliance for Rural Electrification](#)

Actual Living Conditions in Non-Electrified Areas

無電化地域における人々の生活実態

ASIA



Cooking & eating area

AFRICA



Cooking with charcoal

Woman transporting pails of water



【Kerosene lamp】



Light from kerosene lamps

Photo taken with flash

Photo with no flash



A kerosene lamp provides limited light, similar to candlelight. The room is dark and smell of smoke is strong.

Using a kerosene lamp



- Each household uses 2-3 lamps
- Kerosene consumption: \$3-8 per month, \$36-96 per year

Pros & Cons

Pros	Cons
<ul style="list-style-type: none">• Easy maintenance• Affordable• Can be purchased in small quantities	<ul style="list-style-type: none">• Dark smoke• Easy to catch fire• Strong smell• Health hazards (e.g., headaches)• High fuel cost

Vicious Cycle in Areas without Electricity

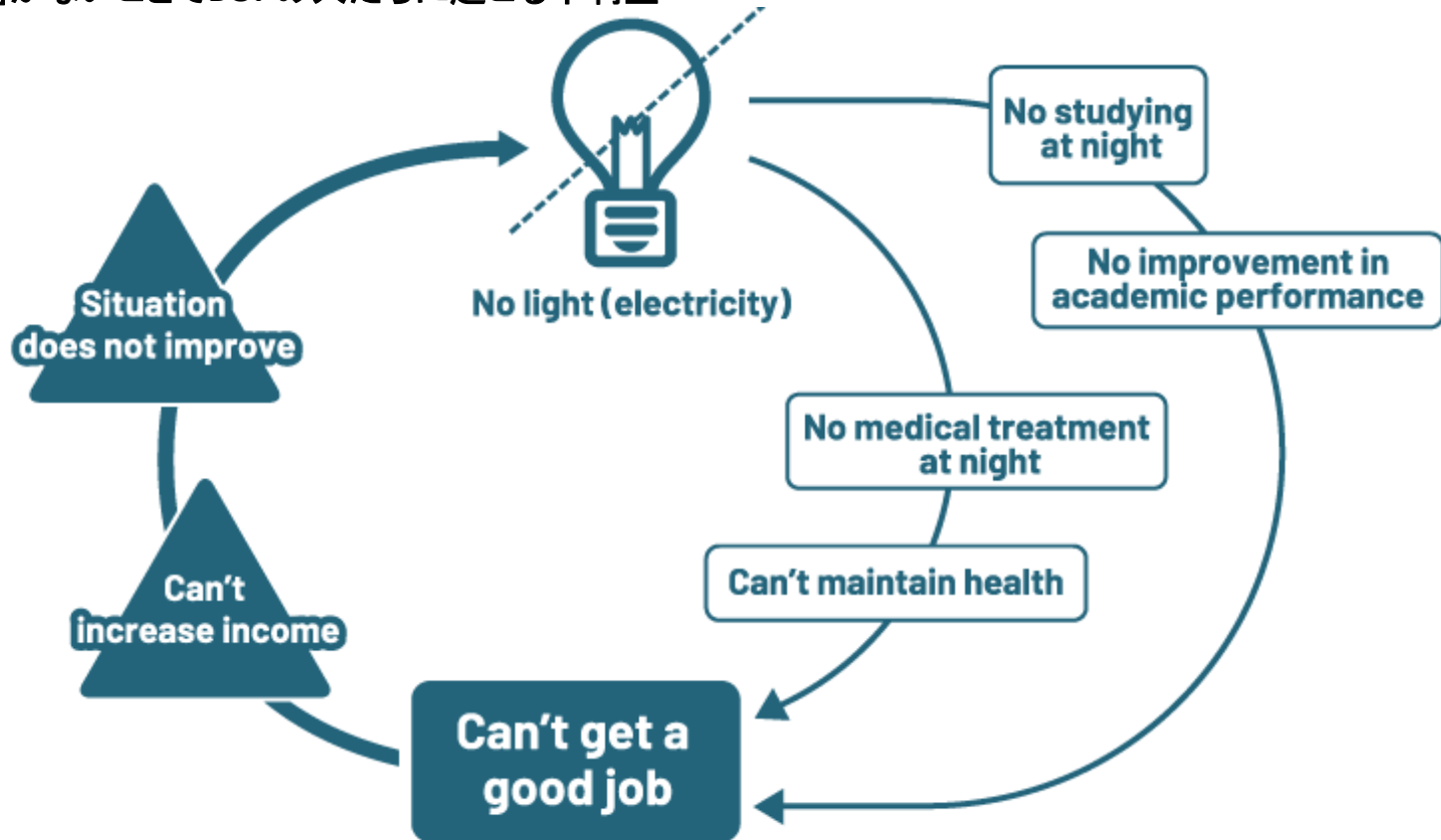
無電化地域の負の連鎖

12

Penalty for people at the "base of the pyramid"

The poor in areas without electricity face high living costs

「あかり」がないことでBOPの人たちに起こる不利益



▶ Efforts are needed to change these social structures in areas without electricity.

Can we help by providing our light (electricity)?

無電化地域の社会構造を変える取組が必要 当社のあかり(電力)で何かお手伝い出来ないか？

Details of Initiatives in Areas Without Electricity

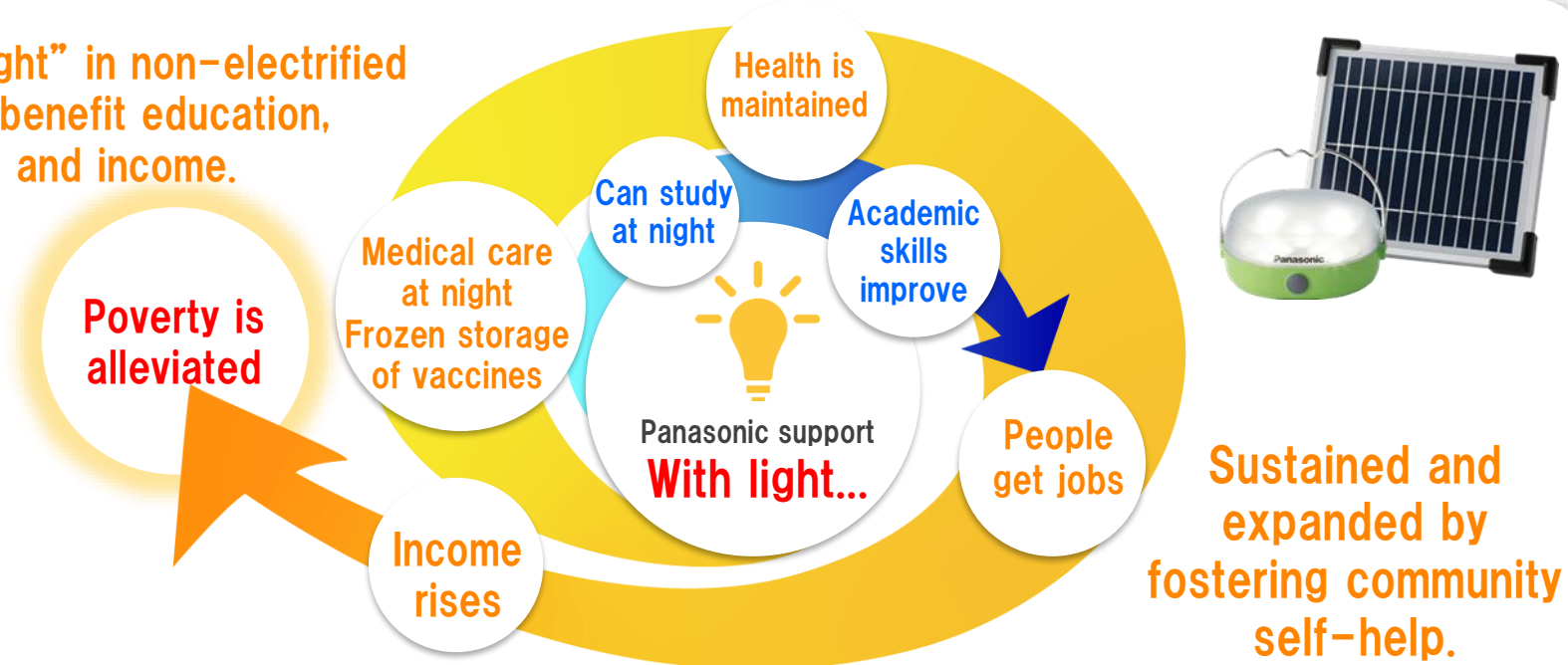
当社の無電化地域への取り組み

We work with community groups and international organizations to bring light and renewable electricity to people struggling financially in areas without electricity.

We also work through local light-related support programs to create opportunities for education, healthcare, and increased income to create a sustainable society free of poverty.

コミュニティの皆さんや国際機関とともに無電化地域で苦しい生活を強いられる人々にあかりを届けます。またあかりの提供などの支援を通じて人々に「教育」「健康」「収入」の機会向上を目指します。

Provide “light” in non-electrified regions to benefit education, healthcare, and income.



Create a positive cycle that changes the structure of society

好循環を作り社会構造を変える

Panasonic's renewable energy, light/electricity



Compact photovoltaic storage system



Solar storage



Solar lanterns

Collaboration with local support programs, community groups, and international organizations

Kenya (Collaboration with World Vision)



School vegetable field



Night school



Night clinic

Indonesia (Collaboration with ACC21 and YDD)



Packaged processed goods



Seedling cultivation

Myanmar (Collaboration with ARTIC)



配布冊子：ミャンマー語版「素直な心になれば」



Dormitory learning

Countries we have donated and activities so far

これまでの寄贈先と現在の事業地



Kenya

In cooperation with World Vision Japan



PSS activities

[Theme] Educational support
Support to improve lifestyles
Medical aid



Myanmar

In cooperation with ARTIC



Solar Storage

[Theme] Building libraries and nursery schools



Cambodia

In cooperation with JELA



Lantern donations

[Theme] Educational support
Support to improve lifestyles
Medical aid



Djibouti

In cooperation with ICAN



Lantern donations

[Theme] Aid to refugee camps
Nighttime lighting



Kenya

In cooperation with World Vision Japan



PSS activities

[Theme] Collaboration project with Shionogi & Co., Ltd.
Electricity for the maternity wing



Myanmar

In cooperation with ARTIC



PSS activities

[Theme] Raising numbers of students going on to higher education via nighttime learning in student dormitories

China

Great East Japan Earthquake

Nepal
Bangladesh

India

Myanmar
Thailand



Vietnam
Laos
Cambodia

The Philippines

Malaysia

Indonesia



Mauritania

Niger

Guinea

Nigeria

Sierra Leone

Cameroon

Djibouti

Ethiopia

Liberia

Democratic Republic of the Congo

Uganda

Rwanda

Burundi



Kenya

Malawi

Tanzania

Eswatini
Lesotho

South Africa

Other donation areas

● Haiti

● Guyana



Lantern donations

[Theme] Better income for women
Awareness-raising activities for women
Aiding independence for women

In cooperation with UNFPA



Malawi

In cooperation with World Vision Japan



Lantern donations

[Theme] Education for female secondary school students
Lights for women's dormitories



Tanzania

In cooperation with World Vision Japan



Lantern donations

[Theme] Educational support
Better income



Indonesia

In cooperation with Kopernik



Lantern donations

[Theme] Better income for women
Aiding independence for women



Indonesia

In cooperation with ACC21 and YDD



PSS activities

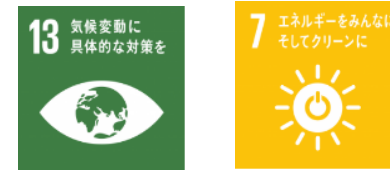
[Theme] Better income via production and sale of processed crops

● Countries that received donations of solar lanterns

PSS: Power Supply Station

Impact to poverty reduction 貧困解消へのインパクト

Impact to environment環境面



灯油ランプから立ち上がる黒い煙は呼吸器に深刻なダメージを与える

日没後は暗くて勉強ができないため、進学の可能性をあきらめてしまう

ソーラーランタンがない場合、代替品の灯油ランプから排出されるCO2

灯油ランプの使用率

-37.7%



*ミャンマーの寄贈先団体ARTICの調査

進級テストの合格率

57% ▶ **100%**



*ミャンマーの寄贈先団体 Saetanariによる集計

約

81,000 トン ▶ 0



© Panasonic Corporation

暗闇での出産や治療など安心して医療が受けられない

細かな作業が必要な手仕事は、灯油ランプでは見づらく、非効率

ソーラーランタンによって創出された“CO2を排出しない”クリーンエネルギー

明るい光の下で誕生した子ども

2,434人



*寄贈先団体セーブ・ザ・チルドレン・ジャパンが、ミャンマーの出生数より推計

あかりの下での年収

+約40%



*インドの寄贈先CALICOによるインタビュー調査

約

0 ▶ **1,070** MWh

Product overview of the Solar Lantern

ソーラーランタン商品概要

Panasonic

SOLAR LANTERN CHARGER



	仕様		
LED Mode	High	Medium	Low
照度	100 lx	60 lx	20 lx
照射時間	約6 h	約9 h	約27 h
電池	ニッケル水素電池 4直 4.8 V 1.9 Ah		
LED	360度照射 LED 0.2 W×5		
防塵・防水	IP34		
ソーラーパネル	3.5 W (7V 0.5 A)		
充電時間	約6 h		
コード長さ	5 m		
USB出力	携帯電話充電可 (5 V 500 mA)		
サイズ 重さ	130(L) × 130(W) × 65(H)	約385 g	

Thank you

LIGHT UP THE FUTURE



日本語

LIGHT UP THE FUTURE



English