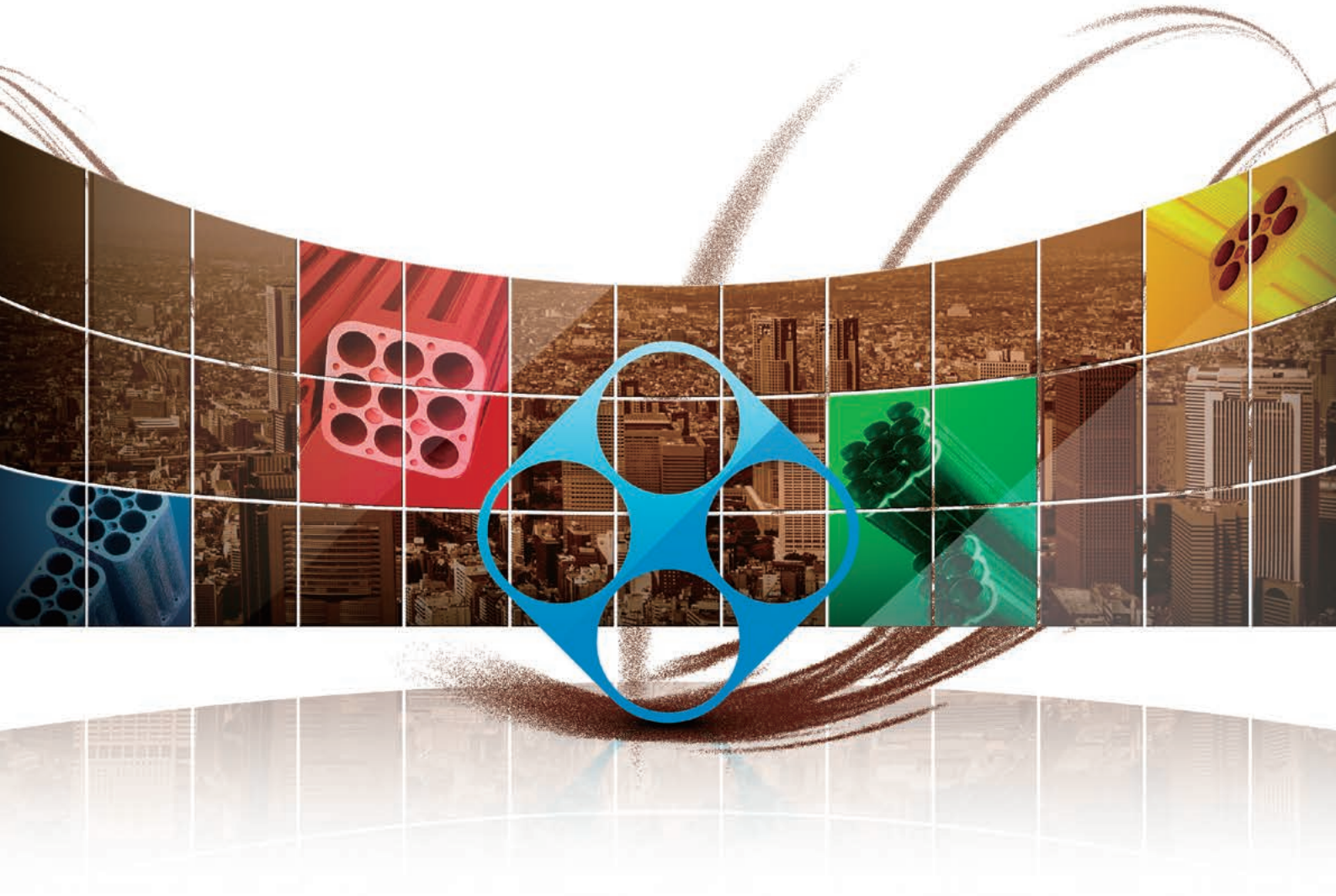


PRODUCTS CATALOG

Sugie Seito Co., Ltd.

With creative products development in mind, we are challenging to create "safe" and "earth-friendly" social environment.

Sugie Seito Co., Ltd. invented CERA-DUCT, bolt-tightening ceramic multiple ducts for cable protection, in 1951 based on the corporate philosophy of **creative product development**.
Since then, we have consistently focused our efforts on businesses that contribute to the creation of a **safe and secure** social environment.

Ceramics has been deeply related to human activities since ancient times, and even today, when considering the **global environment**, it is attracting attention as an excellent **earth-friendly** material that allows resource recycling.

As a company that can contribute to society through ceramics, we are aiming to become a **Good Company** that adapts to modern society by establishing a system that can stably provide unique products at lower prices under the motto of **Positive Spirit** and **Coexistence**.

We look forward to your continued understanding and patronage in the years to come.

Advantages of CERA-DUCT

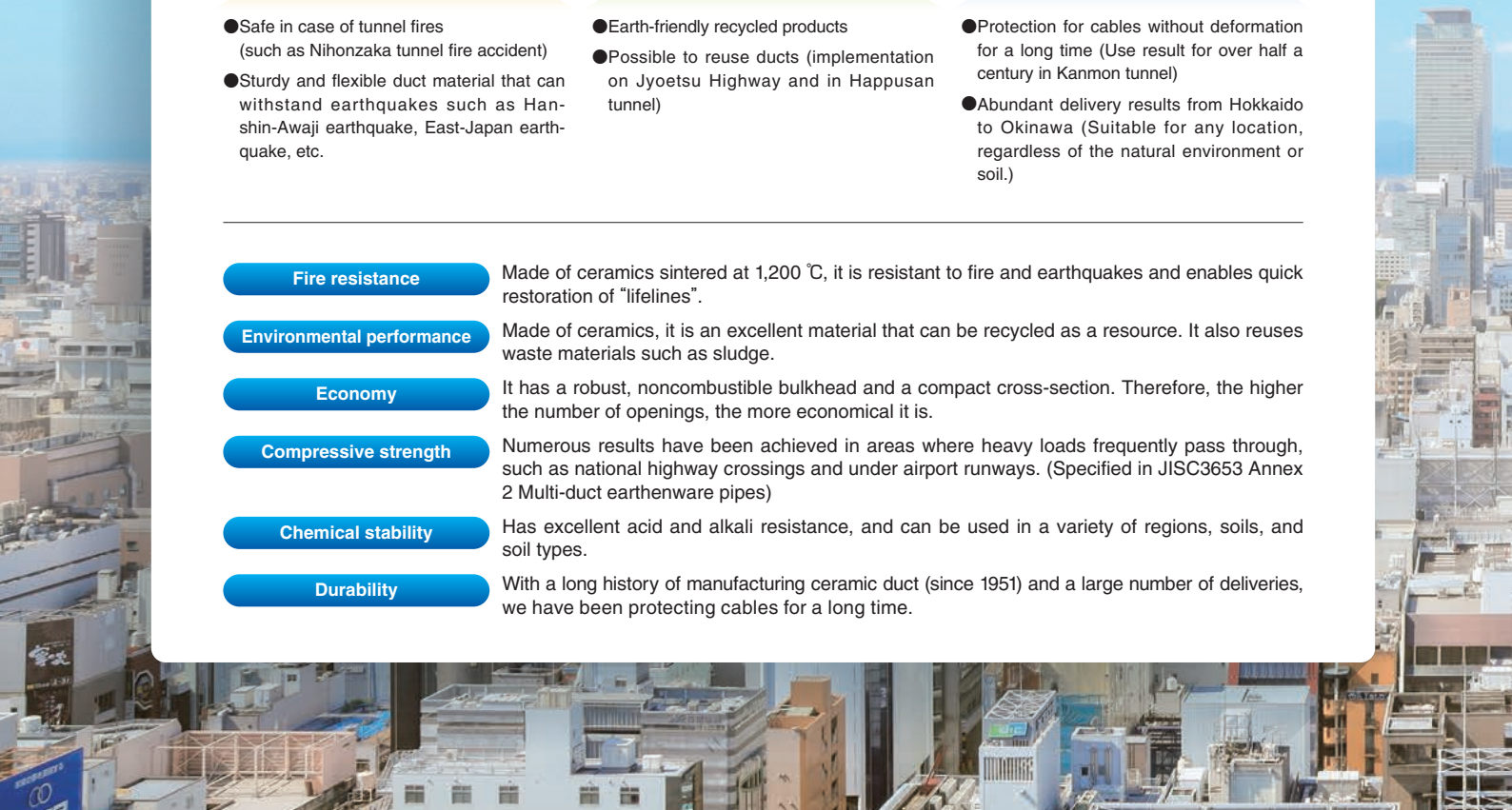
Ceramics, which have a history of 900 years, is the foundation of CERA-DUCT production.

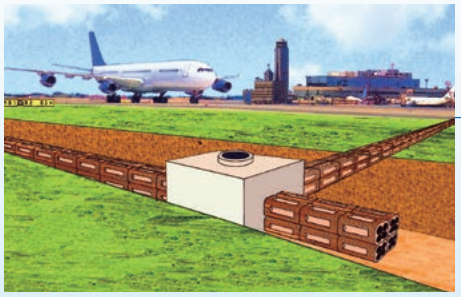
- Safe in case of tunnel fires (such as Nihonzaka tunnel fire accident)
- Sturdy and flexible duct material that can withstand earthquakes such as Hanshin-Awaji earthquake, East-Japan earthquake, etc.

- Earth-friendly recycled products
- Possible to reuse ducts (implementation on Jyoetsu Highway and in Happusan tunnel)

- Protection for cables without deformation for a long time (Use result for over half a century in Kanmon tunnel)
- Abundant delivery results from Hokkaido to Okinawa (Suitable for any location, regardless of the natural environment or soil.)

Fire resistance	Made of ceramics sintered at 1,200 ℃, it is resistant to fire and earthquakes and enables quick restoration of "lifelines".
Environmental performance	Made of ceramics, it is an excellent material that can be recycled as a resource. It also reuses waste materials such as sludge.
Economy	It has a robust, noncombustible bulkhead and a compact cross-section. Therefore, the higher the number of openings, the more economical it is.
Compressive strength	Numerous results have been achieved in areas where heavy loads frequently pass through, such as national highway crossings and under airport runways. (Specified in JISC3653 Annex 2 Multi-duct earthenware pipes)
Chemical stability	Has excellent acid and alkali resistance, and can be used in a variety of regions, soils, and soil types.
Durability	With a long history of manufacturing ceramic duct (since 1951) and a large number of deliveries, we have been protecting cables for a long time.





Airport

Simple construction method

Anyone can install it securely and quickly.

Container yard

Excellent compressive strength

Allows immediate and direct backfilling without reinforced concrete.

Power plant

Compact cross-section

Smaller excavation cross sections are possible.

Ceramic Duct

Cable Protection

CERA-DUCT GLOBAL

Outline

Company name	Sugie Seito Co., Ltd.
President	Shogo Sugie
Location	1-76, Kamiyama, Taketoyo-cho, Chita-gun, Aichi Pref., 470-2387, Japan
Contact information	TEL：＋81-569-35-2360 FAX：＋81-569-35-4087 E-mail：ceraduct-a@sugie.co.jp
Foundation	February, 1896
Establishment	October, 1948
Capital	￥56,840,000
Description of business	Production and sales of Ceramic perforated ducts for buried cable protection, ceramic troughs, manholes and handholes, etc. and also production and sales of exterior and floor tiles. *Exterior and floor tiles are made to order
Number of employees	105 persons
Head quarter · Factory	1-76, Kamiyama, Taketoyo-cho, Chita-gun, Aichi Pref., Japan (site area 46,000m^2, production capacity about 1,800t/per month)
East Japan sales department	VORT Gotanda 6th Floor, 1-27-5, Nishi Gotanda, Shinagawa-ku, Tokyo, Japan
West Japan sales department	1-3-1, Miyuki-cho, Miyakojima-ku, Osaka-shi, Osaka, Japan
Major trading banks	THE CHITA SHINKIN BANK and MUFG Bank, Ltd.
Affiliated company	Sugie Co., Ltd. (June, 1984 established) Goichi Co., Ltd. (December, 1990 established)

Sugie Seito Co., Ltd.
https://www.sugie.co.jp/

Head quarter · Factory	1-76, Kamiyama, Taketoyo-cho, Chita-gun, Aichi Pref., Japan TEL ＋81-569-35-2360　FAX ＋81-569-35-4087 E-mail ceraduct-a@sugie.co.jp
East Japan sales department	VORT Gotanda 6th Floor, 1-27-5, Nishi Gotanda, Shinagawa-ku, Tokyo, Japan TEL ＋81-3-6417-9451　FAX ＋81-3-6417-9452
West Japan sales department	1-3-1, Miyuki-cho, Miyakojima-ku, Osaka-shi, Osaka, Japan TEL ＋81-6-6922-6991　FAX ＋81-6-6922-2498

CERA-DUCT GLOBAL

CO_2 Emissions Comparison Data

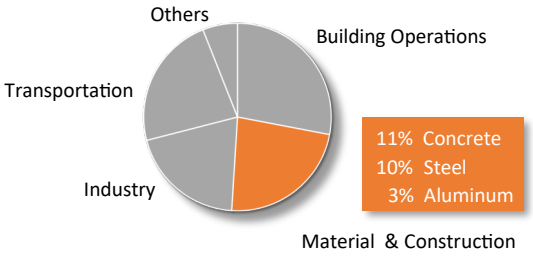
Environmentally Friendly Product CERA-DUCT

Global CO_2 Emissions Fact

Concrete, steel and aluminum contributes 23% of the annual global CO_2 emissions.

Concrete is said to produce approximately 270kg-CO_2/m^3.

Annual Global CO_2 Emissions



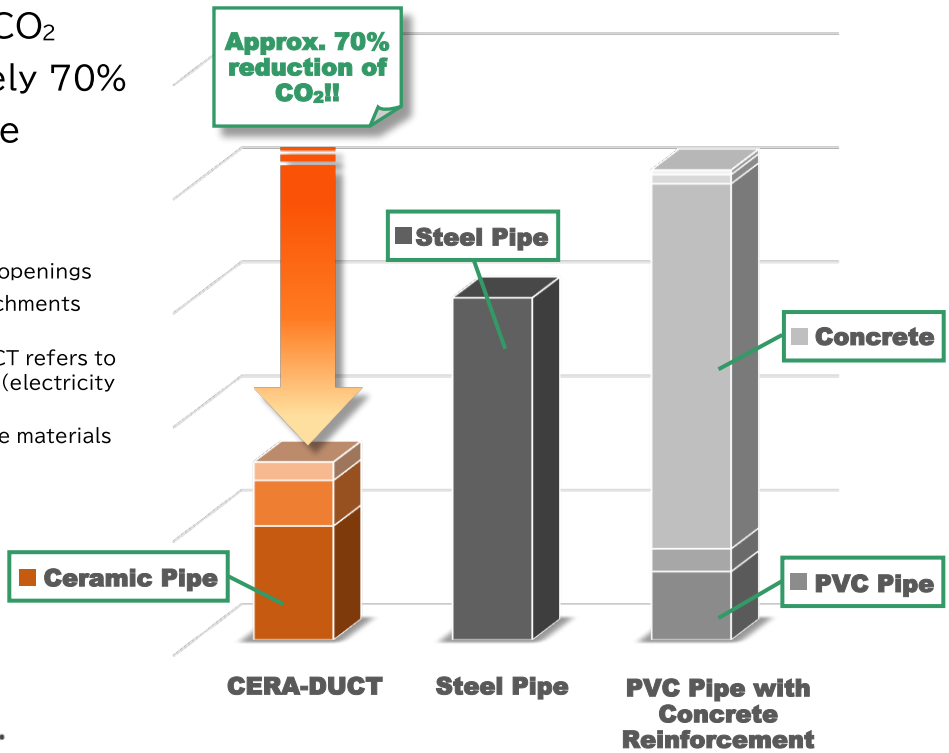
Source: Global ABC Global Status Report 2018 EIA, via architecture2030.org

CERA-DUCT CO_2 Emissions Comparison Data

Concrete reinforcement is unnecessary for CERA-DUCT installation, reducing CO_2 emissions approximately 70% compared to other pipe installations.

※ Materials per 100m using 125ø x 8 openings
※ CERA-DUCT counted including attachments (packing & bolt)
※ CO_2 emission intensity of CERA-DUCT refers to the data emitted from our factories (electricity and gas)
※ CO_2 emission intensity for other pipe materials based on standard reference data.

CO_2 Emissions (kg-CO_2/kg)



Sugie Seito Co.,Ltd.