

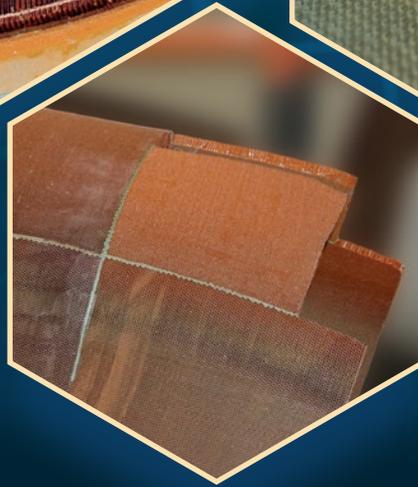
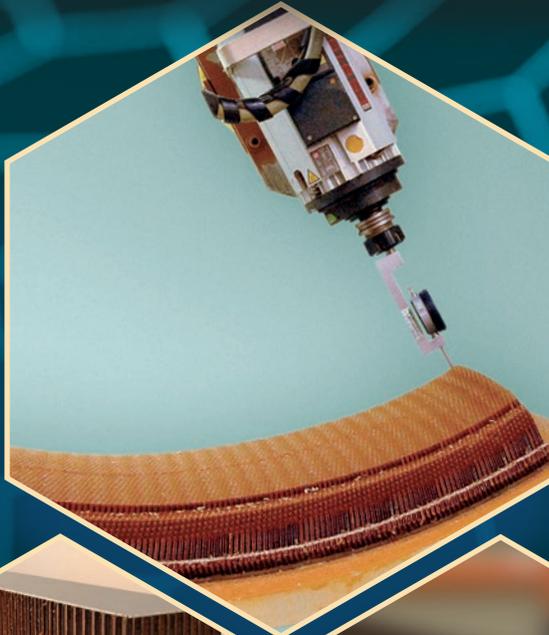
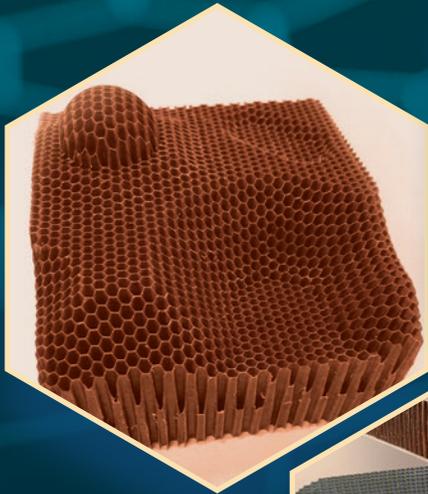
The Doorway

A Publication of The Gill Corporation

High-Performance Composite Products Since 1945 • www.thegillcorp.com

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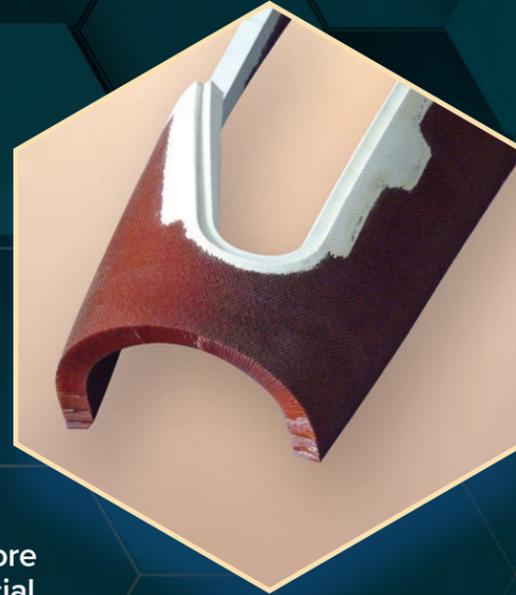
HONEYCOMB SPECIAL PROCESSING VALUE ADDED CAPABILITIES



ANTIMICROBIAL TREATED

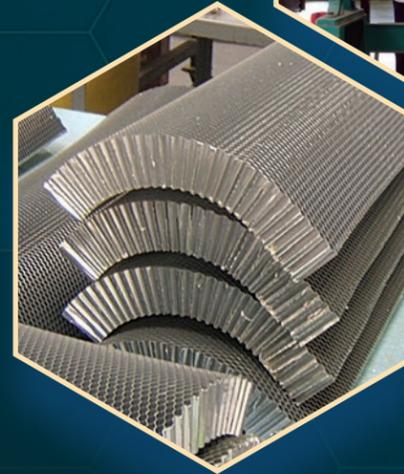
The Gill Corporation provides customers around the world with value added products by optimizing vertically integrated production processes. Honeycomb special processing begins with production of a wide variety of metallic and non-metallic honeycomb cores that can be sized to maximize yields of core details, assemblies and parts.

Utilizing our 3-, 5- and 6-axis CNC machines, our experienced engineering and CNC programming teams combine their process knowledge, which results in close tolerance machined honeycomb details and large complex core assemblies. Our vast portfolio of value added, special processing capabilities transforms slices of metallic and non-metallic honeycomb into contoured bonded assemblies, delivered to customers spanning aerospace, space, defense, military, marine, rail and other industries.



Non-metallic core is heat-formed, potted and 5-axis machined for flap track fairings.

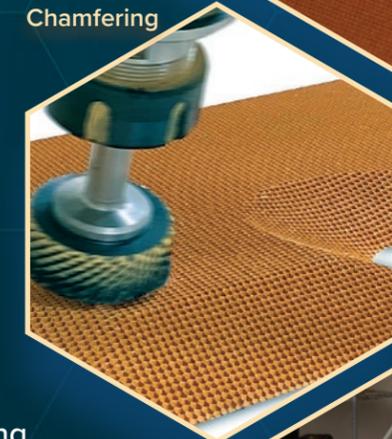
Roll Forming



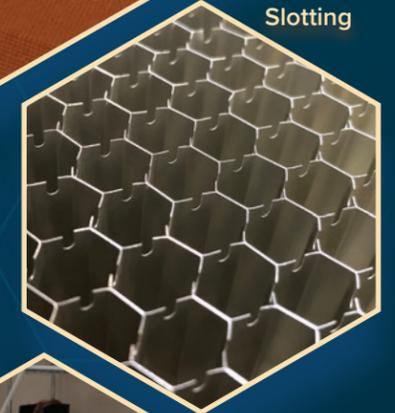
Potting



Chamfering



Slotting



SPECIAL PROCESSING CAPABILITIES INCLUDE:

- ◆ 3-, 5-, and 6-Axis CNC Machining
- ◆ CNC Programming
- ◆ Planform Trimming
- ◆ Horizontal Sawing
- ◆ Chamfering
- ◆ Cuette Milling and Expansion of Shapes
- ◆ Routing of Doublers or Rebates
- ◆ Core Slotting
- ◆ Roll Forming
- ◆ Arc Expansion
- ◆ General Handwork
- ◆ Potting
- ◆ Heat Forming
- ◆ Custom Contouring (SHAPEGRID®)
- ◆ Splice and Septum Bonding
- ◆ Core Stabilization

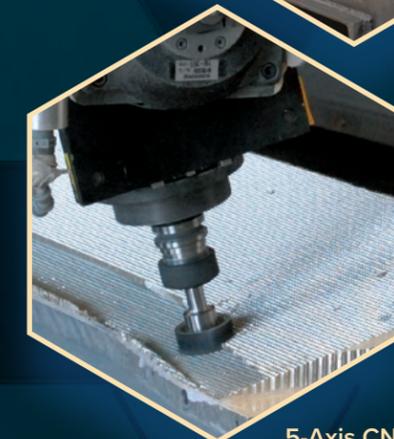
Heat Forming



Milling



5-Axis CNC Machining



* Our complete list of aluminum and non-metallic honeycomb customer qualifications may be found on our website at www.thegillcorp.com/qualifications

Value added services are tailored to meet or exceed customer expectations while eliminating waste, time and costs. These services include custom packaging, kitting and just in time delivery.

Composite materials are processed in temperature regulated Contamination Controlled Areas (CCA) to enable "drop-in" condition of supply products where customers can eliminate the

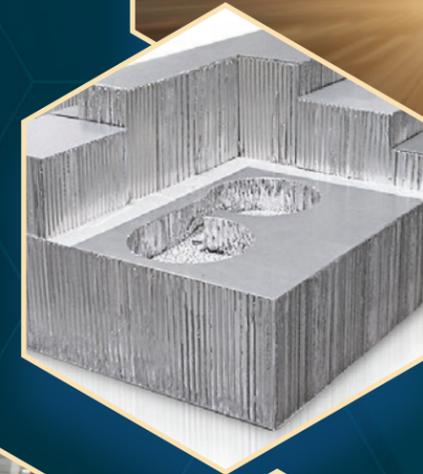
need for vapor degreasing or any other chemical cleaning of the honeycomb. Processes performed in CCAs include potting, splice bonding, film adhesive stabilization, and other composite layup processes.



CONTAMINATION CONTROLLED AREA (CCA)

WE OFFER A WIDE RANGE OF SPECIALTY AND VALUE ADDED HONEYCOMB SOLUTIONS FOR:

- ◆ Impact limiters with unique crush characteristics for transportation industries; for example, for containment casks used to transport spent nuclear fuel rods or other hazardous materials.
- ◆ Kinetic energy absorption products for high-speed trains, automotive, highway safety, aviation and other applications.
- ◆ TRUSSGRID®, a semi-isotropic aluminum honeycomb material providing crush properties in all three L, W and T directions which solves challenging crush-resistance design concepts.
- ◆ Specialty SHAPEGRID® and TAPER-LINE® honeycomb products, which solve complex compound contour design requirements while maintaining normal cell axis.
- ◆ Detail kits and bonded assemblies for engine and nacelle applications including blocker doors, Inner Fixed Structures (IFS) and bifurcation panels for thrust reversers, inner and outer sleeves, fan cowl doors, acoustic panels and engine pylons.

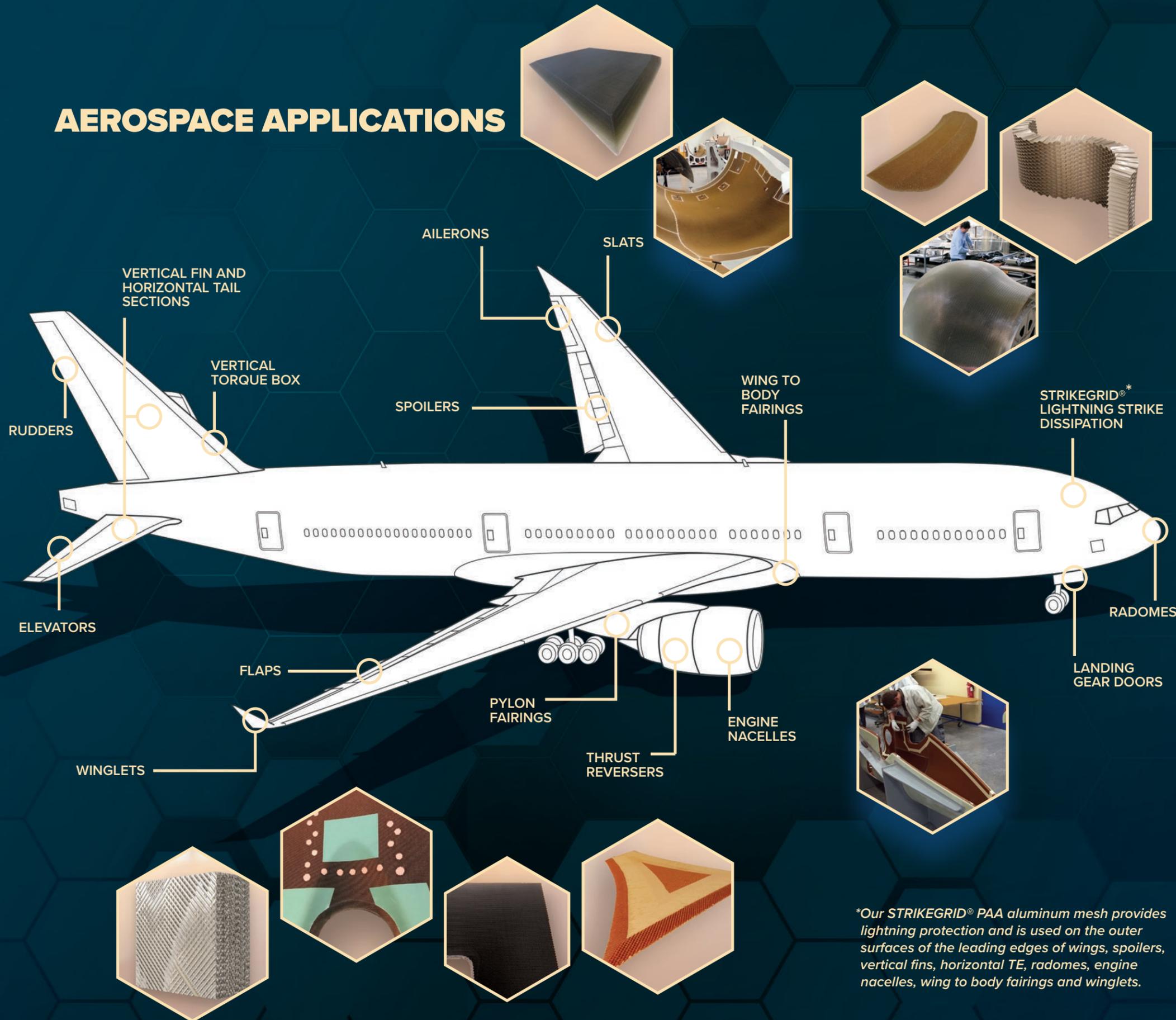


Energy absorbers for waste material transportation and high-speed trains



Highway tollgate safety barriers

AEROSPACE APPLICATIONS



PROCESS SPECIFICATIONS

The Gill Corporation maintains ISO 9001:2015, AS 9100 Rev. D and Nadcap quality approvals.



We have multiple qualified specifications for numerous customers such as:

- ◆ Airbus
- ◆ AVIC
- ◆ Avcorp
- ◆ Boeing
- ◆ Boeing Commercial
- ◆ Boeing Defense
- ◆ Collins
- ◆ Dassault
- ◆ Ducommun
- ◆ Evergreen
- ◆ FACC
- ◆ Fokker
- ◆ GE Aviation
- ◆ GKN
- ◆ Gulfstream
- ◆ Honeywell
- ◆ IAI
- ◆ KAI
- ◆ KAL
- ◆ Kongsberg
- ◆ Leonardo
- ◆ Lockheed Aeronautics
- ◆ MHI
- ◆ MRAS
- ◆ Northrop Grumman
- ◆ Raytheon
- ◆ RUAG
- ◆ SACC
- ◆ Safran
- ◆ SAMC
- ◆ Sikorsky
- ◆ Sofitec
- ◆ Sonaca
- ◆ SpaceX
- ◆ Spirit
- ◆ Strata
- ◆ Triumph
- ◆ XIAN Aircraft

**Our STRIKEGRID® PAA aluminum mesh provides lightning protection and is used on the outer surfaces of the leading edges of wings, spoilers, vertical fins, horizontal TE, radomes, engine nacelles, wing to body fairings and winglets.*

Please contact us at info@thegillcorp.com for further information.



Quotables



Only a fool tests the water with both feet.

– African Proverb

Never forget that only dead fish swim with the stream.

– Malcom Muggeridge, Author

People do business with people, not with corporate logos.

– Skip Horn, Bank of Hiawassee

Learn to say no. It will be of more use to you than to be able to read Latin.

– Charles Haddon Spurgeon, Pastor

If you want to be successful do what successful companies did before they became successful – not afterwards.

– Tom Feltenstein, Speaker

Everyone who's ever taken a shower has an idea. It's the person who gets out of the shower, dries off and does something about it that makes a difference.

– Nolan Bushnell, Atari

A fine quotation is a diamond on the finger of a man of wit, and a pebble in the hand of a fool.

– Joseph Roux, Cartographer

Emotion commits your customer to your brand; not facts; not logic; emotion.

– Don Rheem, Speaker

There are three kinds of people in the world: people who make it happen, people who watch it happen and people who wonder what happened.

– Tommy Lasorda, Baseball Player and Coach

Be fearful when others are greedy and greedy when others are fearful.

– Warren Buffet, Investor

Blessed are the flexible, for they shall not be bent out of shape.

– Michael McGriff, Author

You never really learn much from hearing yourself talk.

– George Clooney, Actor

Do what you love and the money will come.

– Stephen Gill



THE GILL CORPORATION

The Gill Corporation

International Headquarters
4056 Easy Street
El Monte, California 91731 USA
Phone: +1 626 443-6094
Email: info@thegillcorp.com

The Gill Corporation – Maryland

1502 Quarry Drive
Edgewood, Maryland 21040 USA
Phone: +1 410 676-7100
Email: info@thegillcorp.com

The Gill Corporation – France

Route de l'Aviation
7, Allée Etchecopar
64600 Anglet France
Phone: +33 (0) 5 59 41 25 25
Email: info@thegillcorp.com

The Gill Corporation – Europe

23 Enterprise Road
Bangor, Co-Down BT19 7TA
Northern Ireland, United Kingdom
Phone: +44 (0) 2891 470073
Email: info@thegillcorp.com

www.thegillcorp.com

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