

# **Company Profile**

#### **CharCoat Passive Fire Protection**

PO Box 18112, Heritage Mountain Port Moody BC V3H 4H2 Canada

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## INTRODUCTION

Our mission at CharCoat Passive Fire Protection is to manufacture and supply our clients with the most technologically advanced coatings for the protection against fire. By securing our client's assets and safeguarding the functionality of their facilities, we aim to assist with their financial goals without the burden of fire, downtime, loss of revenue and insurance costs.

Our core focus is on the protection of Structural Steelwork and Electrical Cables, whether it be protection from fire, or from the environment (such as CharCoat Xtend™).

Our Signature products are Charcoat CC, an intumescent latex Cable Coating that can Fire Rate Electrical Cable up to 90 minutes, and our CharCoat SC Intumescent Steel Coating Range fire rated up to 2 hours. Coupled with our CharCoat FS range of Fire Stopping products, we complete a full range of products to stop fires where electrical cable and steelwork is concerned.

From the inception of a need through the completion of the project, CharCoat Passive Fire Protection is there every step of the way. Our commitment to our customers and assets means you can rely on dedicated professionals providing unwavering support for your business time and time again.

We continually seek new technologies and deliver value-added solutions to our customers through a comprehensive offering of quality products that support our core culture. Our focus is on the industrial, contracting, fire and marine safety, government, manufacturing, mining, transportation, utility, and oil and gas sectors.



## HISTORY

In 1996, Sean Ritchie founder of CharCoat Passive Fire Protection commenced marketing Cable Coating in Australia/NZ for the protection of electrical cables. With a passion in protective coatings, he soon added Intumescent Structural Steel Fire Protection to the list. Sean has focused on protecting his clients' assets from destructive fires.

For over 20 years, CharCoat Passive Fire Protection (formally known as KBS Passive Fire) has been manufacturing and supplying PFP products to the global market place; specializing in Cable Fire Protection and Structural Steel Fire Protection. From our humble beginnings in Sydney Australia in 1996, SPR Management (Trading As) CharCoat Passive Fire Protection has created a trust within the marketplace with the quality of product and service. So much so that other Passive Fire Protection Companies contract us to help guide and set up new supply lines.

Today, CharCoat Passive Fire Protection products are manufactured in our factories located in the USA and the UK with warehousing solutions and distribution available in Asia and the Middle East. Whether it is Cellulosic or Hydrocarbon protection, electrical cable or steel, we have the solution for you.



# LOCATION

#### **HEAD OFFICE:**

**CharCoat Passive Fire Protection** 

PO Box 18112, Heritage Mountain Port Moody BC V3H 4H2 Canada

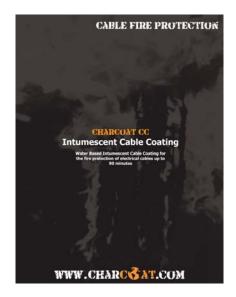
P: +1 604 941 1001 F: +1 604 648 9311 E: mail@CharCoat.com W: www.CharCoat.com

# DISTIBUTION LOCATIONS

Australia/NZ | Asia | Bahrain | Kenya | Kingdom of Saudi Arabia | Iran | Pakistan | Peru | South Africa |



# PRODUCTS

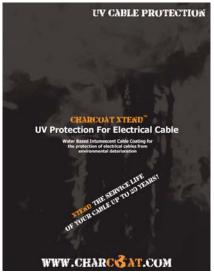


#### CHARCOAT CC

CharCoat CC Cable Coating is a water-based Intumescent Latex coating developed for the fire protection of single, grouped or bundled electrical cables.

CharCoat CC is a unique acrylic latex emulsion which has excellent resistance to weathering and aging and which remains flexible indefinitely allowing for cable movement and removal. It is suitable for exterior or interior applications.

With major aprovals covered, CharCoat CC will also fire rate your cable systems.



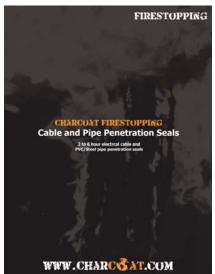
#### CHARCOAT XTEND

**CharCoat Xtend**<sup>™</sup> is our proprietary program to prolong the service life of your existing exterior (and interior) electrical cables.

CharCoat Xtend™ utilizes the CharCoat CC Cable Coating system on electrical cables where the environment has deteriorated the cable sheath. Typically, this happens through extended (and sometimes shorter time periods) exposure to UV (ultra violet), mud from electrical cable pits, salt water and salt mist exposure (constantly found in offshore and onshore facilities) and Ozone degradation.

## PRODUCTS





#### CHARCOAT SC

The CharCoat SC Range of Sturctural Steel Fire Protection is the pinnacle of technology and performance in Thin Film Intumescent Fireproofing.

The CharCoat SC Range can be applied to steelwork in interior or exterior applications. Our range of fireproofing products are spray applied and offer up to 120 minutes fire protection under BS476: Part 21. There is no reinforcement or mesh required.

CharCoat SC can be applied in residential, commercial and industrial applications where architectural designs call for a thin-film, aesthetic, highly decorative finish.

#### CHARCOAT FS

For over 20 years we have seen a multitude of firestopping products enter the market, and soon after disappear. But the constant Cable Penetration Seals, or Firestopping always reverts back to fire rated mortars, fire rated panels and fire rated Sealants, and of course the trusty fire rated collars.

The CharCoat Firestopping (FS) Range consists of these simple, proven solutions that are the stalwarts of the firestopping industry.

- CharCoat FS Mortar
- CharCoat FS Panel
- CharCoat Intu Sealant

# CERTIFICATIONS



Member of the FM Global Group













# **Worldwide References**

The references noted below are a culmination of many years of supplying Passive Fire Protection to the international Market. They include many countries and various Cable Coating, Firestopping and Steel Coating products and projects.

Australia

#### **Power Plants**

Vales Point PS / Erraring PS / Munmora PS / Liddel PS / Bayswater PS / Wallerawang PS / Tarong PS / Calide B PS / Callide C PS / Mica Creek PS / Collie PS / Torrens Island PS / Loy Yang PS / Stanwell PS / Swanbank PS / Snowy Mountains Hydro Electric PS / Oakey PS / Mt. Piper PS / Gove PS / Hazelwood PS / Yallourn PS / Kwinnana PS / Port Hedland PS / Paraburdoo PS / Mt. Newman / Argyle PS / Energy Australia — 64 Substations / Transgrid Northern / Transgrid Central / Transgrid Southern / Energex / Pacific Power / Macquarie Generation / Western Power / CS Energy / Delta Electricity

#### **Steel and Other Metal Industries**

BHP DRI Hot Briquetted Project WA / BHP Iron Ore – Port hedland / BHP Mt. Whaleback – WA / BHP Yandi – WA / BHP Area C – WA / BHP Orebody 18 – WA / BHP Orebody 23 – WA / BHP Jimblebar / BHP Sydney Steel Mill / BHP Port Kembla – NSW / BHP Newcastle - NSW / Robe River Iron Ore Port – WA / West Angeles Iron Ore Mine – Newman WA / Onesteel – Newcastle / Onesteel – Blacktown / Onesteel - Whyalla / Comsteel / Alcan Alumina (Gove) / Worsley Alumina / Portland Alumina / Tomago Alumina / Comalco Alumina – Bell Bay / Comalco Weipa / ALCOA / Queensland Alumina / Queensland Alumina – Calciner / Pinjara Alumina / Wagerup Alumina / St. Ives Gold Mine / Kalgoorlie Consolidated Gold Mine / Port Kelain Equatorial Gold Mine – Indonesia / Hammersley Iron Ore – Dampier / Hammersley Iron Ore – Mt. Tom Price / Mt. Isa Mines / WMC – Phosphate Hill / Murrin Murrin Nickel / Granny Smith Gold Mine / Cawse Nickel Mine / Kalgoorlie Nickel / Bulga Coal Mine / Queensland Magnesia / WMC – Olympic Dam – Extraction Plant / WMC – Olympic Dam – Lead smelter / Cadia Hill Gold Mine / Capral Aluminium / Enterprise Mine / Gunpowder Mine /

#### **Chemical and Petrochemical Industries**

Dow Chemicals / Orica - Qld

#### **General Industries**

Blue Circle Southern Cement / Adelaide Brighton Cement / CSR Cement – QLD / Kimberley Clarke – Smithfield / Kimberley Clarke – Liverpool / Kimberley Clarke – Millicent / Pasminco Mine – Broken Hill / Pasminco Mine – Tasmania / Cape Flattery Silica Mine / Argyle Diamond Mine / Mackay Sugar Mills / LNG Trains/LPG – Burrup Peninsula - WA

#### **Public Buildings**

Sydney harbour Tunnel / Manning Base hospital / Busways Project - Brisbane

#### Other

Tammworth Entertainment Centre / GEC Alstrom / Christian City Church / Email Cooking Division / Woolworths / ABB / AMEC Engineering / DC Project Services / TYCO - WA / Wormalds / Progard Fire Protection / Pro-Active Fire Solutions / Robbins Industrial Services & other resellers and Installers

Bahrain

#### **Steel and Other Metal Industries**

Aluminium Bahrain B. S. C.

#### **Ship Building**

Arab Ship Building & Repair Yard Company

#### **General Industries**

Ahora Electricals / Yateen Air Conditioning W. L. L. HVAC

#### **Public Buildings**

Ministery Of Work, Power and Water

#### **Others**

Abdul Aal Safety & Security Services / Central Stores / G. P. Zachariadas (Overseas) LTD / Jassim Fire & Safety Systems W.L. L./ Khayber Trading Co / KPY Ltd / Technical Protection Eng./ Y. K. Almoayyed and sons, Appliance Workshop

Canada

#### **Steel and Other Metal Industries**

Newgold-Kamllops

#### **General Industries**

Weyerhaeuser Pulp Mill-Kamloops / Eurocan Pulp and Paper

Dubai

#### **Power Plants**

Dubai Electlicity & Water Authority (DEWA)

#### **Steel and Other Metal Industries**

Dubai Aluminium Company (DUBAL)

#### **Public Buildings**

Ministry of Electricity and Water

Egypt

#### **Power Plants**

Abu Sultan Power Station I Suez Thermal Power I Talkha Power Station

#### **General Industries**

Cairo Elec. Zone

#### **PublicBuildings**

Arab. Nations League Building I Suez Canal Authority

Greece

#### **Power Plants**

Aliveri I Ghiona I Kremasta I Megalopolis I Ptolemais

#### **Steel and Other Metal Industries**

Aluminium Greece, Distoma

#### **Chemical and Petrochemical Industries**

Aspropyrgos Refinery

#### **General Industries**

**Tobacco Industry Karelias** 

#### **Public Buildings**

Heraklion Hospital / lioannina Hospital / Ippokratio Hospital, Salonica I N. Faliro Sport Center I Xanthi Hospital

#### Others

Greek Postal Organization / Telephone + Cable Company Halandri Building

Hong Kong

#### **Power Plants**

China light & Power Co. LTD./ Guangdong Nuclear Power Joint Venture Co. LTD.

#### **General Industries**

Hong Kong Electric Co. LTD.

#### Others

Shanghai Cable Tunnel

Iceland

#### **Power Plants**

**National Power Company** 

#### **General Industries**

Coca Cola Company I The Kodak Company

#### **Public Buildings**

City Hall of Reykjavik I City Hall of Reykjavik (New) I National Theater I State Hospitals I University of Iceland Virology Laboratory

#### **Hotels**

Several Hotels

#### Others

Central Bank of Iceland I Iceland State Broadcasting Service (RUV)

India

#### **Atomic Industry & Power Plant**

Indira Gandhi Centre for Atomic Research - Nuclear Power Plant, Tata Power Limited

#### **Steel & Aluminium Industry**

Steel Authority of India Limited (Various plants in India), Tata Steel Limited (Various locations in India), Bharat Heavy Electrical Limited SSTP Plant, Essar Steel Limited, Electrosteel Steel Limited, Ispat Industries Limited (JSW Ispat), Bhusan Steel & Strips Limited, Ramsarup Industries Limited, Vedanta Aluminium Limited, Usha Martin Limited (Various Plant Locations), Uttam Galva Steels Limited

#### **Telecommunications Industry**

Nokia India Private Limited, Motorola India Private Limited, PERLOS Telecommunications & Elec. Comp. India (P) Ltd, Nokia Siemens India Private Limited, Jabil Circuit India (P) Ltd, Salcomp Manufacturing (India) Pvt. Ltd., Flextronics Technologies (I) Pvt Ltd, Larid Technologies (P) Ltd

#### **Petro Chemical & Pharmaceutical Industries**

Reliance Industries Limited, OL2K UM2 Petroleum Refinery, Kuwait, Qatar Petroleum Refinery (Punj Llloyd Limited), Qatar, Cipla Limited, Trichy Distilleries and Chemicals Private Limited

#### **Mining Industry**

Neyveli Lignite Corporation Limited, Bharat Coking Coal Limited, TATA STEEL mines (All over India Locations)

#### **Information Technology Industry**

DLF IT Park, Manyata IT Park, IBM- All India Locations, Accenture IT Park, IKAS Technologies Park

Korea

#### **Power Plants**

Bundang Gas Power Plant / Haenam & Cheju Conversion Station / Ilsan LNG Gas Power Plant / Uijong bu Substation

#### **Chemical and Petrochemical Industries**

Kukdong (Hyundai) Oil Refinery. Daesan Plant

#### **General Industries**

Hyundai Cement Plant / Jinro Coors Brewery, Chongwon Plant / Samhwa Printing Plant

#### **Public Buildings**

Hyundai Seaoul Central Medical Center / Samsung Medical Center

#### **Others**

City Plaza Shopping Mall / Daebaik Department / Hq. Building of Daehan Textile Co. / Hq. Building of Gunja Industries Co. / Hq. Building of KCIA / Hq. Building of Kumsung Communication Co. / II Song Building / Korea Development Bank Computer Center / Korea Security Audit Board Hq. Building / Suhhan Building / Tae Won Building / Sucho Officetel

Malaysia

#### **Power Plants**

ABB, Connaught Bridge I ABB. Paka I ABB, Pasir Gudang

#### **Steel and Other Metal Industries**

Amalgamated Steel Mills I Guiness Anchor Factory

#### **Chemical and Petrochemical Industries**

Hyundai E & C. GPP 1 / Petronas Melaka Refinery - Jetty I Shell Sarowak Refinery / Shell, Miri

#### **General Industries**

Airod Test Cell / Alcorn I Dayaburni Complex I Mars Hangar I Sirne Technology Centre I Tiocide Malaysia

#### **Public Buildings**

Bangunan Tabung Jahi I JKR, FWD Training Center, Bangi I National Sciene Centre

#### Hotels

Park Royal Hotel

#### Others

Bandar Subway Head Quarter / Citibank / Malayan Banking Berhad / MRF Plaza / P. J. Hilton / Penang Bridge / Plaza MBF / Sabah Centre Point / SB Court Condominium / Sogo Shopping Hall / Telekom Jalan Raja Chulan / Tivopli Villa Condominium / Tuscany Condominium

Saudi Arabia

#### **Steel and Other Metal Industries**

Hadeed (SABIC), ATE Trading Co. End user (Al Surayai Carpet Factory) AL Gihaz Holding Co. Bechtel- Ras A Khair Maaden Aluminium, RAS AZ ZAWR Aluminium Smelter project

#### For different project in Energy field

Jeddah Islamic Port via Contractor

Singapore

#### **Power Plants**

Bukit Batok 66 KV Sub-Station I Chinese Garden On-Line Sub-Station I City Hall Mrt Sub-Station 40. Bouna Vista Mrt Sub- Station I Eunos / Mrt On-Line Sub-Station I Jalan pereong On-Line Sub-Station (JPO) I Jurong Mrt On-Line Sub-Station I Kallagang Gas Works / Kallang Gas Works I Kampong Java Pub Sub-Station I Kembangan Mrt On-Line Sub-Station / Lakeside Mrt On-Line Sub-Station I Lakeside Mrt Station Electrical Riser I Lorong Kelopah Track On -Line Sub-Station (LKO) I Mobil 66 KV Pub Sub-Station / Mobil Refinery Sub-Station-Pioneer Road / Paya Lebar Mrt On-Line Sub-Station I Pub Sub- Station I Pub Sub-Station (Bright Hill) I Pulau Seraya Power Station I Pulau Seraya Power Station Stage II I Unit 4,5,6 / Shan Road Mrt Sub -Station / Soxal Sub-Station / Stamford Pub Sub -Station / Sungei Bedok On-Line Sub-Station (SBO) / Sungei Seletar On-Line Sub-Station (SSO) / Tampines Mrt On-Line Sub-Station IYishun Ave on Line Sub-Station (Yao)

#### **Ship Building**

Singmarine Dockyard

#### **Car Industries**

General Motor Singapore Factory Premises

#### **Chemical and Petrochemical Industries**

Philips Petroleum Chemical Building I Shell Eastern Petroleum

#### **Pharmaceutical Industries**

Glaxochem 4 th Storey Extension Building / Glaxochem Development Bldg Phase 2 / Glaxochem Development Bldg Phase 2 / Glaxochem Phase II Building

#### **General Industries**

Hewlett Packard Factory / Hewlett Packard Factory Extension / Hitachi Electronic Devices Factory / International Video Products Factory / International Video Products Factory / Lam Soon Factory / Motorola Electronics / National Semi Conductor Manufacturer (S) P/LTransformer Room / NCB Software Technology Centre / Texas Instrument Building Extension / Woodlands Sunny Food Pte Ltd Bldg

#### **Public Buildings**

4 Storey Multiplex Theatre & Entertainment Complex / 4 Storey Multiplex Theatre & Entertainment Complex / Chung Cheng High School / Church of Singapore Building / Holy Innocents High School / Hwa Chong Junior College / Institute of Technical Education Bldg / Institute of Technical Education Bldg / Mt. Elizabeth Hospital Extension / Pasir panjang Christ Church / River Valley High School/ S'pore General Hospital Block 7 / SGH Eye Hospital/Singapore General Hospital Block 7 / Sree Narayana Mission Home for the Aged / St Anthony Church / Tampines Branch Library / Tampines Branch Library

#### Hotels

Amara Hotel I Beaufort Hotel I Four Seasons Hotel I Hotel Taipan I Hyatt Hotel Extension I Mandarin Hotel I Mandarin Marina Hotel I Mount Elizabeth Hotel I Oriental Hotel I Pan Pacific Hotel I Plaza Singapore I Royal Holiday Inn Hotel I Shangri-La Hotel Extension I The Imperial Hotel (AIA) I The Regent Hotel

#### **Others**

10 Storey Flatted Factory 1 / Oth Storey Ampas Apartment I 12th Storey Condo / 17th Storey Condo / 18 Anderson Condominium / 2 Blocks of JTC Flatted Factory I 28th Storey Telecoms Radio I Microwave Tower / 3 Blks of 4 Storey Condo / 3 Blks of 4 Storey Research Unit (Blk 5,6,7) / 3rd Cargo Agents Building / 4 Storey Apartment / 42 Storey PSA Tower I 44th Storey Hong Leong Building / 4th Storey JTC Building / 6 Storey Factory Building I 6 Storey Mode Circle Building / 6th Storey Building / 6th Storey Factory Building / 6th Storey Office Building I 7th Storey JTC Flatted Factory / 7th Storey Warehouse / 8 Storey Factory Building / 9th Storey Factory Building I A.M.P. Factory Building I A.S.S. Building I Admin Building for Sembawang Shipyard I Airline House I Albert Complex I Aljunied Mrt On-Line Sub-Station I Allied Ordnance of S'pore P/L Bldg I Amber G lades Condominium I Amber Lodge Condominium I AMP Factory Building I Ang Mo Kio Mrt Station I Anguilla Park Condo I APS Industrial Building I APT. 56 / Lor. 37 Geylang I Ardmore View Condo I Arthur Mansion I Asahi Denka Factory Building I Asia Insurance Building I Asiawide Industrial Building I Astrid Meadows Condominium I ATCC Building I Ava Towers I Avon Park Condo I AVS Electronic I AVS Electronic Centre I Balestier Point I Balestier Regency Condominium I Balmoral Condo I Balmoral Court I Bedok Mrt On-Line Sub-Station I Bishan Mrt Station I Blood Transfusion Services Building | I Botany Building | Botany Building | BP Tower | Braddel Mrt Station I Bradel Mrt Station I Brani Terminal Building I Brani Terminal Building I Bukit Batok Community Centre I Bukit I Batok Mrt On-Line Sub-Station (BBT) I Bukit Merah HDB Office Complex I Bullion Park Condo I Cairnhill Place I Cairnhill Place (Sub-Station) I Cairnhill Towers I Capitol Carpark Upgrading I Casa Esperanza Condo I Cashew Height Condominium I Central Provi dent Funds Building I Chang Airport Control Tower I Changi Airport Terminal 2. Monorail Depot I Changi Depot (CHD) I Changi Int'l Logistic Centre Ltd Bldg I Changi International Exhibition Centre I Chartered Industries I Chemicrete Enterprise Bldg I Chin Hin Hang Building I Chinatown Centre Point Shopping Centre I Chinese Garden Mrt Station Electrical Riser I Chlorination Building I Cias Carga Centre I Cintech Building I Cisco Headquarters I Citipoint Industrial Complex off Paya Lebar Road I Cititech Industrial Building I Clarke Quay Restoration & Development Project I Claymore Point Condo I Colombo Court I Comcentre Building I Computer Centre Building I Country Esquire I Country Esquire Condo I CPF Branch Building I Crocodile Garment Building I Crosby House I CTE Phase II - Controll Building I D' Grove Villas Condo I DBS Building I DBS Building (Extension) I DBS Finance Building I DBS Registry Building I DBS Tampines Building I De Zaan Far East Bldg I DHL Warehouse I Dhoby Ghaut Mrt Station I Dhoby Ghaut Mrt Station I Dunearn Gardens Condo I Dunearn Gardens Condo I Dupont S'pore Building I East Asia Bank Building I Eastgate Technology Building I Elf-Atochem (Sea) pte Ltd Bldg I Elite Industrial Building I Elmira Height Condominium I Empire Electronics Factory Bldg I Environment Building I Environment Building (Bus Bar and Telecom Risers) I Eu Yang Sang Building I Euro-Asia Condominium I Facility Building # 1 I Facility Building # 2 I Facility Building # 3 | Facility Building # 4 | Fairchild Factory Extension | Fischer Control Factory | Flight Operations Building I Forum Galleria I Garden Field Court I GB Building I Gilstead View I Gintic Research Centre I Goldbell Engrg pte Ltd Bldg I Grange Court I Havelock Centre I Haw Par Villa Theme Park I Hiang Kie Complex II Bldg I Hiap Huat House Building I Highland Condo I Holland Crest Condominium I Holland Hill Park Condo I Hong Leong Finance Building / IMM Phase 3/Imm-International Merchandise Mart Building I Indian Overseas Bank Building I Inland Revenue Department IInt' I Press Co. pte Ltd Bldg IInt' / Press Co. Pte Ltd Bldg I International Merchandise Mart Building I International Plaza / ISCS Building / ISS Building / iss Building I Jin Xing Express Warehouse I Junction 8 Building I Jurong Districentre I Jurong Mrt Station I K. H. Kea Building I Kah Motor SDN BHD Bldg I Kembangan Plaza / Kensington Park Condominium I Keppel Towers II / Kim Tian Plaza I Landridge Condo I Lane Crawford Place I Le Marque Condo I Le Marque I Condo | Keng Chin | Leong Huat Building | Leonie Condotel / Leonie View Condo | Lincoln Lodge Condominium I Lippoland Building I MIS Bayer S'pore P/L Bldg I Mandarin Gardens Condominium I Marina Square Hotel's Bus Bar Risers I Maxtor Factory / Maxtor Pheriperals (S) Pte Ltd Extension Bldg / Mc Donald 's Ho / Mitutoyo Asia Building / Morimasa Gardens Condo / News Centre / Ngee Ann City / Ngee Ann Poly Phase 4/ Ngee Ann Polytechnic Blocks C1 and C2 / Ngee Ann Polytechnic Engineering

Blocks / Ngee Ann Polytechnic Mech. Engrg. Blocks Bus Bar Risers / Ngee Ann Polytechnic Phase 3 / Ngee Ann Polytechnik Staff Quarters / North Point Shopping Centre / NT! Hall of Residence No. 1/ Nus Micro-Biology Building / OCBC Development Building / Ocean Towers / Odeon Towers / One Tree Lodge / Ong Building / Oriental Plaza / Oub Centre / UB Centre (Bus Bar Risers) / Pacific Plaza / Palm Court Serices Apartment / Parisan Condominium / Park Mall Project / Parkwest Condominium / Pasir Ris Telephone Exchange / Pavilion Cineplex Building / Pavilon Cineplex Building / Phoenix Tower / Pinewood Garden Condominium / Premier Centre / Prime Centre / Proposed 3 Storey Extension Bldg./ Proposed 4 Storey B.M.W. Office Cum Showroom / Proposed 4 Storey Shops / Proposed AIA 7th Storey Warehouse Bldg (CMPDL) I Proposed AlA 7th Storey Warehouse Bldg (MDP1) I Prosper Building IPSA Tanjong Pagar Complex I Public Utilities Building I Raffles Place Mrt Station I Rasa Sentosa Resort / Regency Park Condominium / Reuters Computer Development Centre I Riveria Lodge I Riveria Point I Rivershine Condominium / Royal Sporting House Building / S'pore Broadcasting Corporation Extension / San Centre / San Centre Building I Sandakan Town Project / Sanford Building I Savu Towers 2 I SBC Transmitting Station / Senoko Pub Sub-Station / SGS Thomson Building I Shaw Centre / Shaw House / Shaw Towers / Shriro Warehouse / Sia Flight Operation Building / Sia Passenger Terminal Building / Sia Training Centre / Siglap Centre / Sim Urn Square / Sim Urn Square Project / Sincom Project Bldg No. 4/ Singapore Broadcasting Corporation - New Extension / Singapore Polytechnic's Generator Room / Siong Bee Ind Factory Bldg / Somerset Mrt Station I Stamford House I Steel Lattice Tower (Telecoms Building) / Tannery Industrial Building I Tech Semi- Conductor Building I The Aspine / The Chatelet Condo / The Claymore Condominium / The Globe / The Quadran I The Regalia / The Sovereign Condo / Thomson View Condominium I Thong Teck Building / Trident Districentre Warehouse / Uco Bank Building / Ulu Pandan Depot (UPO) / Ulu Pandan Mrt Depot / Uob Plaza / UOB Warehouse / Village Tower Condominium / Warren Golf Club / Waterloo Street Private Apartments / West Bay Condo I Wisma Atria / Wisma Atria (Switchroom)/World Trade Centre / Yio Chu Kang Mrt Station /Yong an Park Condominium

South Africa

#### **Power Plants**

H Verwoerd Power Plant Sta | Koeberg Nuclear Power Plant | Matla Power Station | I Vanderkloof Power Plant Sta

#### **Steel and Other Metal Industries**

Alusaf / Hutletts Aluminium / Iscor / Scaw Metals / Union Steel Corporation / Zinc Corporation

#### **Car Industries**

Toyota I Volkswagen

#### **Chemical and Petrochemical Industries**

Genref I Karhochem I National Chemical Products I Sapref Refinery I Sasol1, 2 & 3

#### **General Industries**

AECII Amatikula Sugar I Beacon Sweets I Douglas Colliery I Felixton I Gledhow I Illovo I Impala Platinum IJ~T I Meadow Feeds I Noordsburg Sugar I Samcor I Sappi Paper Mill I Sezela Sugar I Tongaat

#### **Public Buildings**

Livingstone Hospital I Playhouse Theatre I Post Office, several exchanges I Public Works for Government I Westville University

#### **Hotels**

Southern Suns, Elangeni Hotel I Sun International, Wild Coast Sun Hotel

#### Others

Antarctic Research Station / Barclays Bank / Barclays Bank / Blyvooruitzicht / Deelkraall Elandsrand / 1st National Bank / Harmony / Lefko / President Brand / Telekom / Western Deep Levels

Taiwan

#### **Power Plants**

Taiwan Power Co & Branches

#### **Steel and Other Metal Industries**

China Steel Corp

#### **Ship Building**

Chinese Shipbuilding

#### **Car Industry**

Vue-Loong Car

#### **Chemical and Petrochemical Industries**

Chi-Mei Chemical I Chinese Petroleum Corp I Chung-Lien Chemicals I Kaoshuing Refinery I Taoyuan Refinery

#### **General Industries**

Chen-Loong Paper Manufacturing I General Instrument Taiwan

#### **Public Buildings**

Chung-Shan Institute of Science and Technology I National Palace Museum I Veteran Hospital

#### **Hotels**

**Ambassador Hotel** 

#### **Others**

Kao-Chao Enterprise I Ta -Lai Enterprise I Ta- Tu Enterprise I Taiwan Railway Administration I Taiwan Telecom I Taiwan Telecom & branches I Taiwan Telecom Research Center

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Thailand

#### **Power Plants**

Electricity Generating Authoritty of Thailand I Huaykwang I Klongsan Substation I Nongkham Substation

#### **Steel and Other Metal Industries**

Thai Nox Steel

#### **Chemical and Petrochemical Industries**

Bangchak Petrolium

#### **General Industries**

Bangkok Rubber Co., Ltd./ C.K.Electec Co.. Ltd./ ICI Asiatic (Agriculture) Co...LTD. / Siam Gradien Glass

#### Others

Baan Khun Kit I Ban Sansiri I Bangna Tower I Esso Tower I Metropolitan Waterworks Authority I Mungthong Bangna I

Ploenchit Tower I lorn Park I Telephone Organization of Thailand I Thai Air Way I Yao Han