



**Taking An Extra Mile  
To Serve You**



# At your service since 2009 with an experience of 12+ years in the gas turbine industry.

Turbine Consultancy & Control Services Inc (TCCS) with headquarters in North America (Canada) offering high quality industrial spare parts, field service & maintenance, and engineering services & solutions.

**12+**  
Years of  
Experience

**1 GW**  
in 5 Countries

**5000+**  
Trained  
Engineers

**20**  
Countries

**2 Million**  
Field Service  
Hours



## Vision & Mission

**Our vision is to be a leading global energy services and solutions provider.**

We always do our utmost to acquire, develop and retain the most talented people and to ensure their safety. We will consistently seek to provide services and solutions that are recognized as cutting edge, and we will strive to exceed our customers' expectations and ensure that their business targets are achieved.



## Oil & Gas Services

TCCS has been a leader in supporting international, national and, independent oil & gas companies in critical rotating equipment.

Our onshore and offshore services and solutions increase asset availability & reliability throughout the supporting process. With an extensive track record of supporting oil & gas facility owners, operators, and maintenance providers, our focus remains on improving rotating equipment performance while maintaining the highest levels of safety standards.



## Power Generation

TCCS's unparalleled record of handling operations and maintenance services.

Coupled with industry-best practices is helping operators improve the availability and reliability of gas and steam turbo-machinery including the driven equipment (Generators).

The key services that we provide worldwide include power plant construction, operations and maintenance, field service, repair, overhaul, parts supply, and control retrofits/upgrades.



## Refineries & Petrochemicals

As the worldwide demand for converting crude oil is greater than ever.

TCCS is creating more competitive Refineries & Petrochemicals production bases that offer higher added value.

Plant maintenance and upgrades of the existing facility depend upon service provider who is responsible for spares, field services, overhauls, repair, controls retrofits, etc. TCCS has extensive global experience in all areas needed to enhance both production and performance.

## TCCS Power

# Building on the excellence of past experiences, TCCS is the next chapter in full-service premier

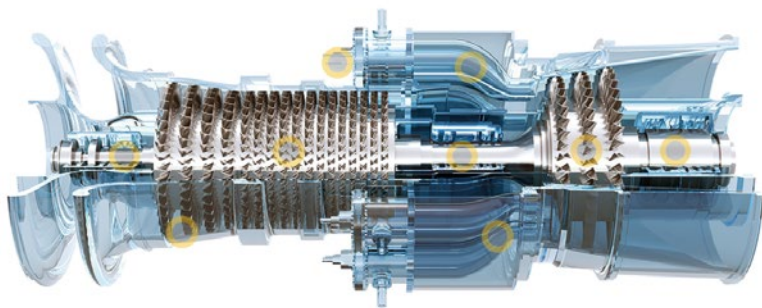
## Field Maintenance & Engineering Services

As a world-class field maintenance organization, we train our Engineers and Technicians to offer a high level of expertise and capability to make the maintenance period a rewarding experience.

Aware of the intricacy of the services, our experts are available on call 24/7 to provide support and solve our customers' issues as expeditiously as possible.

### Area of Expertise

- Heavy Duty Gas Turbines
- Aeroderivative Gas Turbines
- Gas Engines
- Generators
- Transformer & Switchgear Service
- Gear Boxes



## Spare Parts & Consumables Supply

- Hot Gas Path/ Combustion/ Major Parts
- Turbine Hardware/ Consumable Parts/ Tool Kits
- Turbine Fuel Delivery Systems
- Turbine Auxiliary Systems
- Turbine Electrical & Instrumentation Systems
- Control & Protection Systems
- General Plant Systems
- Steam Turbine

## Refurbished Gas Turbine Packages

Components of heavy industrial and aero-derivative gas turbines are overhauled, tested, and calibrated in-house at the state-of-the-art workshops, using custom-built test rigs that can replicate varying engine and test conditions.

### This includes

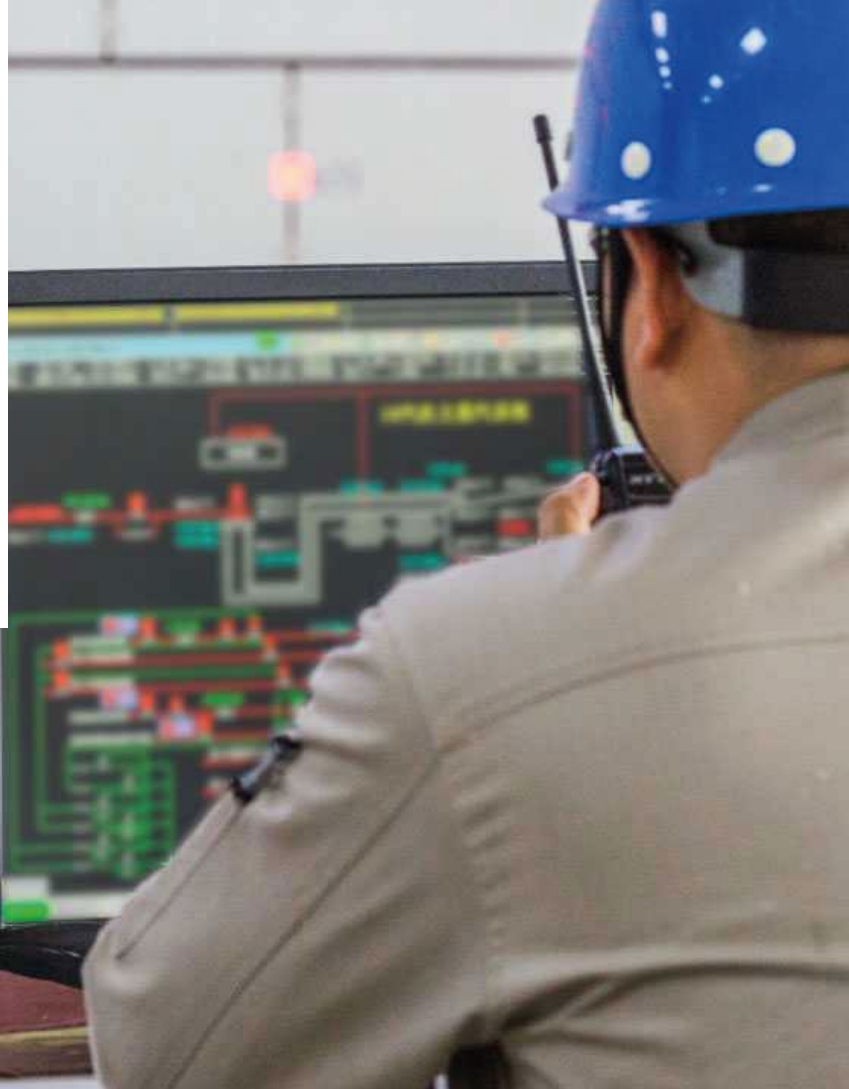
- Fuel Nozzles
- Flow Divider
- Control Valves
- Air Compressors
- Fuel Pumps and Hydraulic Motors
- Bearings



## Controls Support

### Area of Expertise

- Controls System Upgrades
- HMI Upgrade
- Experts in Gas And Steam Turbine Controls
- Testing & Repair
- Health Advisor Program
- Training Programs
- Grid Automation



## Vibration Analysis & Dynamic Balancing

Vibration analysis is one of the most successful techniques used for the condition monitoring of the rotating equipment. Used to detect early machine failures and allowing the machinery to be repaired or replaced before an expensive failure occurs.

Our highly trained engineers can help you pinpoint machine defects or fault conditions, and provide accurate recommendations to solve them. We have extensive expertise in diagnostics of the rotatory equipment

### **Turbines, Generators, Pumps, Motors, Gearboxes, Bearings, turbines, compressors**

We can create machine database, collect data, analyze and provide you with a report with clear recommendations to solve the machinery faults.

## Conversion & Upgrade Services

Turbine Consultancy and Control Services has demonstrated its ability to provide engineering and consulting services. These encompass projects such as frequency conversions, fuel system conversions, emissions abatement systems, auxiliary system modification, instrumentation, and control system modification.

### Services include

- Frequency Conversions
- Fuel System Conversions
- Electronic Valve Upgrade
- Emissions Solution
- Auxiliary System Modification
- Instrumentation and Control System Modifications
- Monitoring & Diagnostic System
- Grid / Substation (Installation & Commissioning, Operation & Maintenance)

## TCCS Upstream

# TCCS is offering downhole interventions equipment for customers in both domestic and international markets

### 01 Mechanical Set Packers

### 02 Hydraulic Set Packers

### 03 Permanent Packers

### 04 Anchors

### 05 Service Tools

### 06 Tool Accessories

Rather than relying on traditional methods, there is now a growing preference for performing complex well interventions using more innovative downhole, electro-hydraulic robotic tools on electric wireline. Tasks such as downhole milling, clean-out of debris, shifting of downhole valves, or even the cutting and removal of well tubing are now routinely completed using our innovative technology.

Our tools are characterized as lightweight yet powerful solutions requiring a fraction of the engine power compared to conventional methods. Fewer people and less equipment at the well site results in significantly lower costs, less complexity, and a reduced carbon footprint.

**TCCS Upstream is a service group and part of the TCCS portfolio that also includes TCCS Power.**



# Global Footprint

## Today, we are recognized as an industry leader and have earned the trust of clients globally.

We attribute our success to the excellent and innovative solutions we provide to our clients. Our focus and commitment to their needs by assuring direct placement of suitable technical personnel with a high degree of professionalism and integrity have helped us attain a strategic position in the market.

### Canada

#### Operations

Power Plant Services

#### Office

Turbine Consultancy & Control Services Inc

#### Stocking Warehouse

TCCS MTL CARGO Warehouse

### Egypt

#### Operations

Installation & Commissioning / Site Management

### Libya

#### Operations

Installation & Commissioning / Power Plant Services

#### Office

Turbine Consultancy & Oil Services LLC

### Iraq

#### Operations

Power Plant Services

### India

#### Operations

Power Plant Services

### Malaysia

#### Operations

Service Agreement / Power Plant Services

#### Office

Turbine Consultancy & Control Services Sdn Bhd

### Saudi Arabia

#### Operations

Installation & Commissioning / Power Plant Services

### Nigeria

#### Operations

Site Management + Power Plant Services

### Democratic Republic of the Congo

#### Operations

Power Plant Services

### Yemen

#### Operations

Troubleshooting & Maintenance Services

### Sri Lanka

#### Operations

Power Plant Services

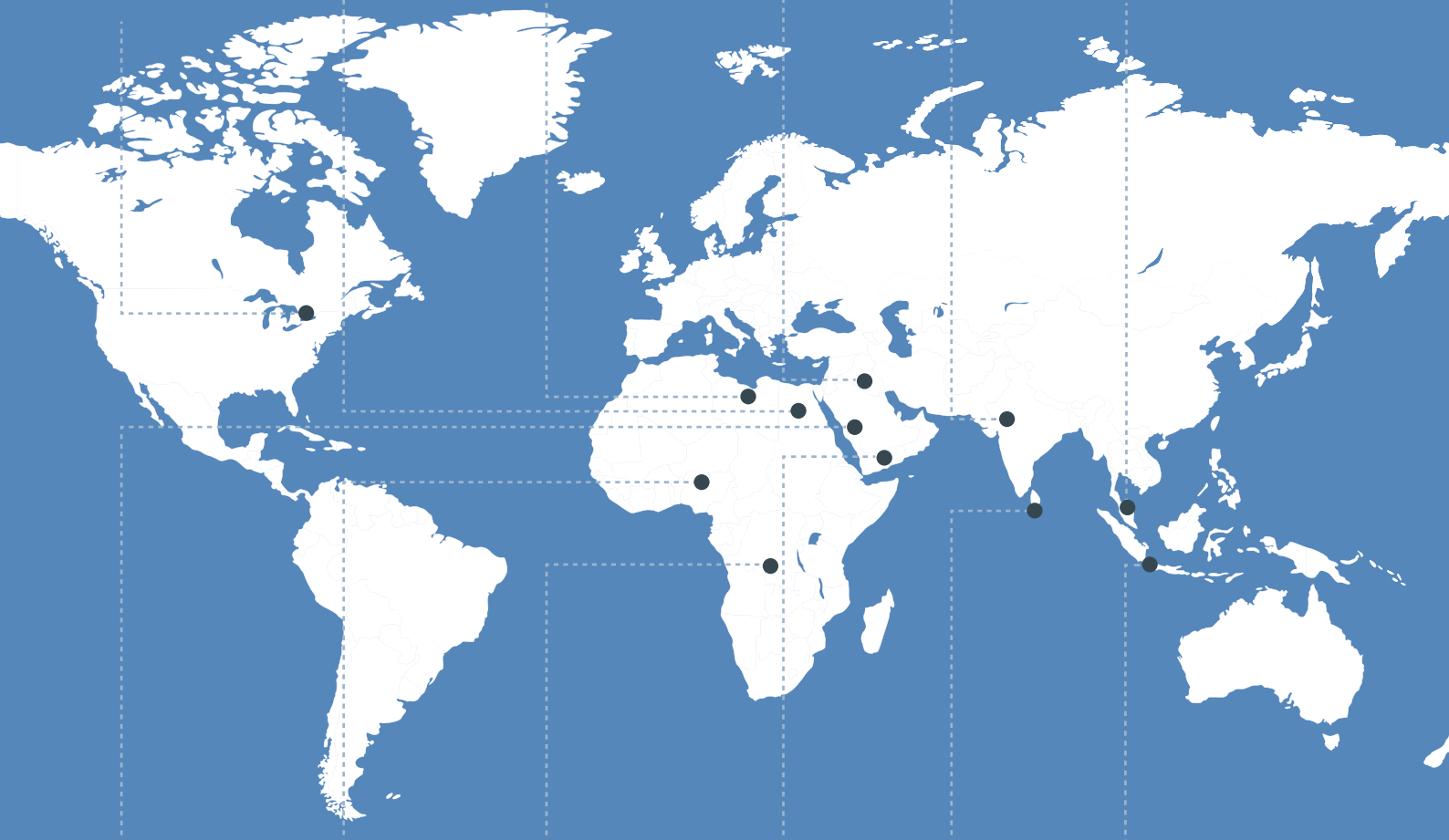
#### Office

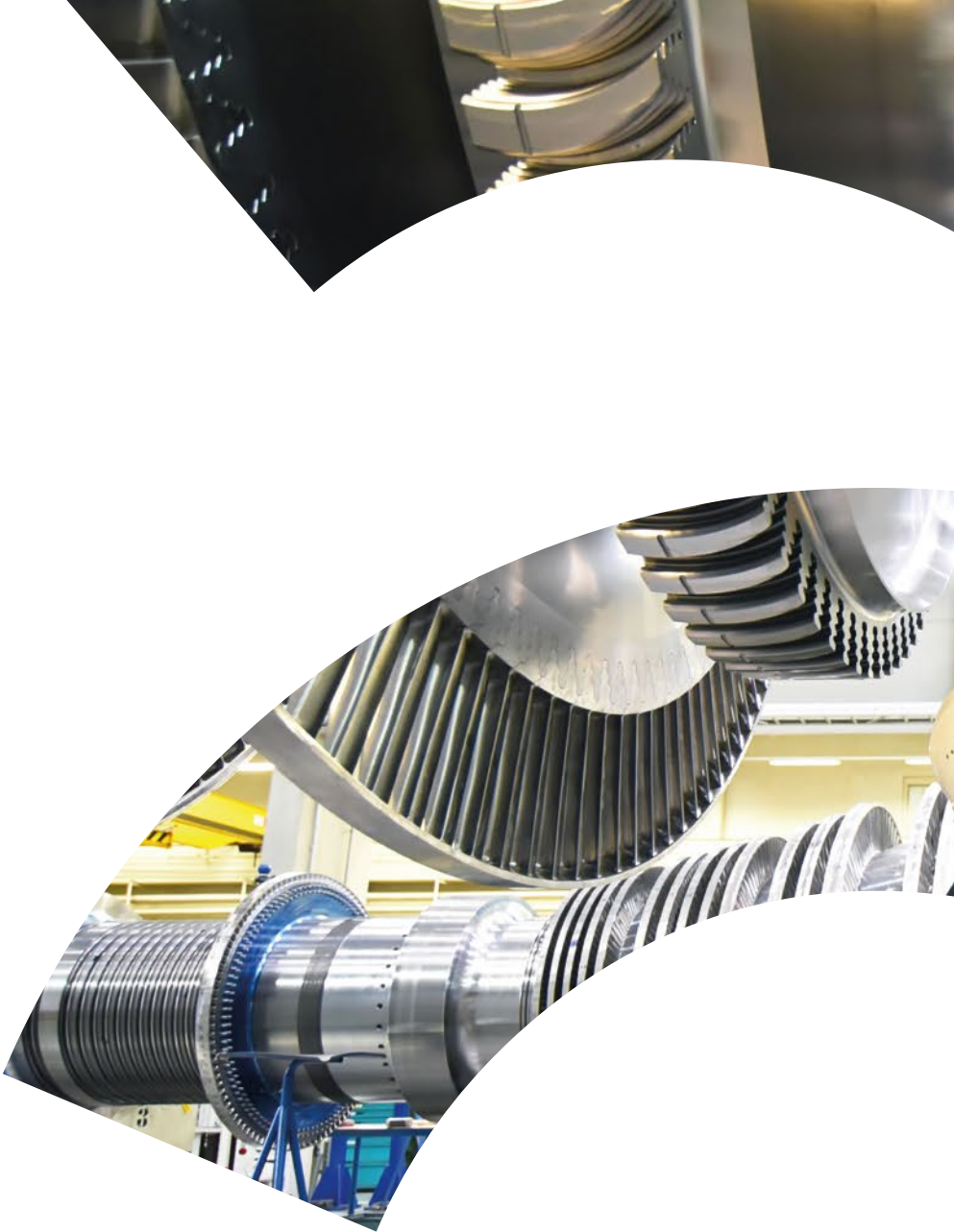
Bearings & Spares (Pvt) Ltd

### Indonesia

#### Operations

Control System Upgrades/Installation & Commissioning





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