

Walchandnagar Industries Limited (WIL)

Corporate Presentation

1908–2008 WALCHANDNAGAR

WIL …Building Engineering Excellence for over 100 years

- Walchandnagar Industries Limited (WIL) is an ISO 9001: 2008 certified leading Heavy Engineering, Hi Tech Manufacturing and Project Execution Indian company
- Strong engineering, Project Management & Manufacturing capabilities with proven track record to undertake large engineering projects and supply of machinery
- Professionally managed with growth oriented corporate structure
- WIL is a listed company on the BSE and NSE stock exchanges in India.



Aerial view of Walchandnagar plant



Dr. Kalam releasing biography of Seth Walchand Hirachand in 2007 on occasion of 125th birth anniversary of WIL's founder & WIL entering its Centenary Year

WIL is an end to end Engineering solution provider

EPC / Turnkey / Semi Turnkey Projects

Engineering Products



Hi Tech Manufacturing

Engineering Services

Business Areas



Aerial view of Walchandnagar

EPC / Turnkey

- Sugar Plant and Machinery
- Power Plants & Boiler
- Cement Plant & Machinery
- Nuclear Power
- Coal Handling
- Mining & Metals
- Steel Plant Equipments
- Process Equipments

Hi Tech Manufacturing

- Defense
- Aerospace
- Missile
- Nuclear

Engineering Products

- Gear Boxes
- Foundry
- Precision Instruments

Engineering Services

- Complete range of process, mechanical, piping, electrical instrumentation and civil engineering
- Areas – Nuclear, Energy , Defense, Aerospace, Agro

Seth Walchand Hirachand

Visionary Industrialist, Patriot & Our Founder



SETH WALCHAND HIRACHAND
(1882 – 1953)

"Walchand Hirachand was a dreamer, a visionary, a great builder, a great leader of industry. Above all, he was a patriot, and in his own way, he was an inspiring leader of our struggle for freedom. I salute his memory."

- **Dr. Manmohan Singh, Prime Minister Of India**

- Seth Walchand Hirachand was one of the renowned industrialists of pre-independence India
- With the belief that India has potential to become a world leader one day, he strived to make it self sufficient through various business ventures all his life.
- Seth Walchand's work and his contribution to India's industrial field still remain etched in memory and inspire the present generation.

Key Companies Established

Walchandnagar Industries Ltd (WIL)
- Heavy Engineering
- Project Execution
- Hi Tech Manufacturing

Hindustan Shipyard
- Pioneer in Shipbuilding Industry

Hindustan Aircraft Company
- Pioneer in Aircraft Manufacturing

Premier Automobiles Limited
- Pioneer in Automobile Manufacturing

Hindustan Construction Company
- India's leading construction Company

Scindia Steam Navigation Company
- Pioneer in Maritime Shipping

Milestones

1900 - 1925	1926 - 1950	1951 - 1975	1976 – 2000	2000 – Till date
•Company founded and entered concrete structures	•Ventured into Organized Farming and Sugar factory •Foundry established	• Started manufacturing Sugar Machinery •Set up of Heavy Engineering Workshop •Started association with ISRO , NPCIL and BARC •Precision instrumentation division set up •Venture into Cement Machinery •Venture into Boilers	•Started association with Indian Navy & DRDO • Venture into Oil & Gas	•Celebrated Centenary Year •Critical components manufactured for India's first Nuclear Submarine Arihant & India's maiden moon mission Chandrayaan-1 •Critical components for India's first ICBM Agni V •Critical components manufactured for Mangalyaan (India's maiden Mars mission)

Success Stories

3 Continents and over **20 Countries**

40+ years of association with DAE, NPCIL, BARC , ISRO & Indian navy

80+ Greenfield sugar projects commissioned

100+ Cement plants commissioned worldwide

540+ Boiler installations worldwide

600+ EPC / Semi Turnkey / Turnkey projects executed

3400+ Centrifugal machines supplied internationally

6500+ Gearboxes supplied globally



Global Footprint



Select Customer List

Cement	Defense	Gear Boxes	Nuclear	Power Plants	Sugar
• ACC • Zambezi Portland • Penna cement • Reliance cement • Anjani portland	• DRDO • BDL • ATVP • ASL	• Indian Navy • BHEL • Reliance Industries • IPCL • HAL	• NPCIL • BARC • DAE • BHAVINI	• Ingenio Providencia • TNEB • La Cabana • Satyam power	• West Kenya sugars • Tendaho Sugars • Balrampur Chini • Bajaj Hindustan • Shri Renuka sugars

Strategic Partnerships



FOSTER WHEELER , US	High Pressure large capacity Stoker Fired Boilers
ATEC, AUSTRIA	Cement Plants of 5000 TPD and more
UBE, JAPAN	Vertical Roller Mill(VRM)
KAWASAKI, JAPAN	Flow Dynamics Conveyor (FDC)
P & H MINEPRO SERVICES, UK	Long distance & High angle conveyor, Feeder Breaker,
EARTH TECHNICA CO LTD. JAPAN	Impactor, Gyratory and Cone crusher
DCNS, FRANCE	Naval Applications
MAGOTTEAUX, BELGIUM	Air Separator technology
ATOMENERGOMASH, RUSSIA	Nuclear Power Plant Core Equipments
WINTERS INSTRUMENTS, CANADA	Precision Instruments
MASSON MARINE	Marine Gear Boxes
NORTHERN HEAVY INDUSTRIES, CHINA	Coal Handling & Washery, Iron Ore Beneficiation
CAPITAL ENGINEERING & RESEARCH INC, CHINA	Complete Range of Steel Plants
BENGANG DESIGN & RESEARCH INSTITUTE, CHINA	Coal Handling Plant
DALIAN HUARUI HEAVY INDUSTRY INTERNATIONAL, CHINA	Electro Hydraulic Wagon Pusher Car & Metallurgical Cranes

Pioneering Technological & Industrial Achievements

First ever:

- Indigenously built Sugar project
- Company to export Sugar machinery and complete Turnkey project from India.
- Export of complete Cement plant with largest ever Kiln manufactured by any Indian company
- Independent Power project based on municipal solid waste in India



First to export Sugar machinery from India

Amongst First to manufacture:

- Critical components for Nuclear Reactor
- Main propulsion gear boxes for Indian built Navy Frigates
- Components for Satellite launch vehicle for ISRO
- Critical components for 235 MW & 500 MW Nuclear Power project
- One of the largest Optical Telescopes in India
- Major critical components in the first Indian built nuclear sub-marine **'INS Arihant**'
- Critical components for India's first Moon mission "**CHANDRAYAAN-I**"
- Critical components for India's Mars mission "**MANGALYAAN**"
- Major critical components for India's Intercontinental ballistic missile (ICBM) program "**Agni V**"



Critical components for Chandrayaan Moon mission

Some of our recent achievements

- Achieved a CE marking for its Gearboxes for all High speed Steam turbine driven Gearboxes of GN & GDN series
- Launched TIWIN - a new, premium range of Pressure and Temperature gauges
- Manufactured critical components for India's Mars Mission (Mangalyaan) and GSLV D5



TIWIN products with packaging

TIWIN



DET NORSKE VERITAS

STATEMENT OF COMPLIANCE

Certificate No. 2569-3013-CE-IND Rev 00
This Certificate consists of 3 pages

This is to certify that the product(s)

Gear Box

with name and/or type designation(s)

Model: GN, GS, GDN Series

Manufactured by

Walchandnagar Industries Ltd.
Walchandnagar, Tal: Indapur, Dist. Pune – 413114

has, on a voluntary basis, been assessed with respect to

the requirements for documentation specified in Annex VII, part B (a) of Council Directive 2006/42/EC on Machinery, as amended, and found to comply

Place and date: Chennai, 2013-03-04

For Certificate is valid until: 2016-03-04

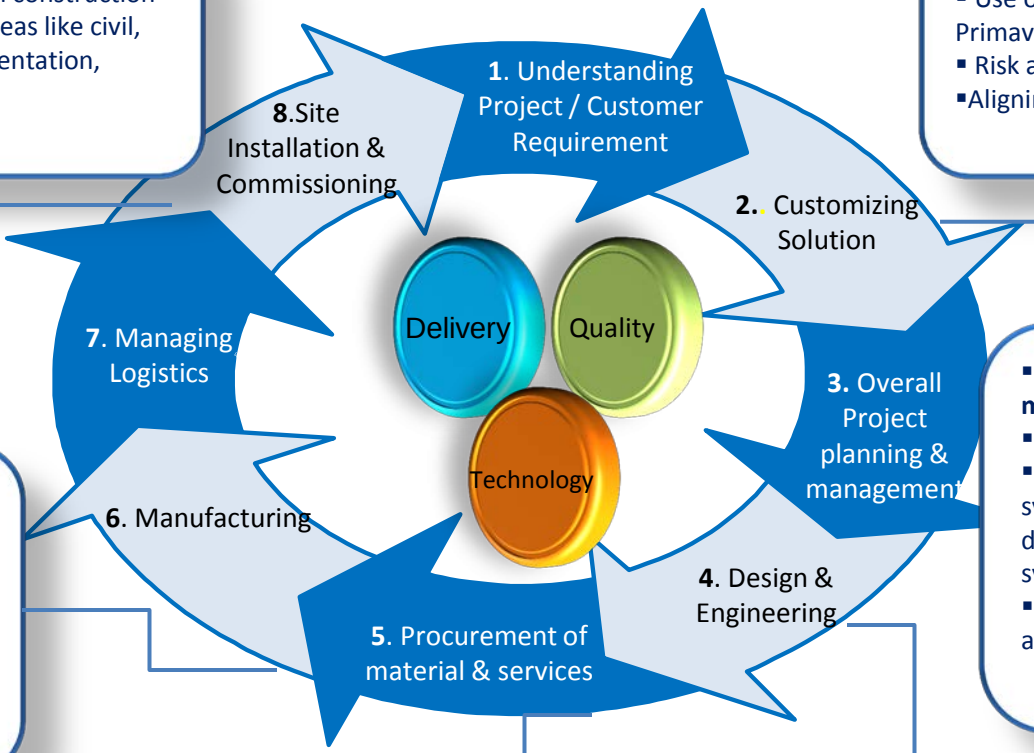
for DET NORSKE VERITAS

Iyer, Hariharan Sundareswara
Certification Manager

Sampath, Aishwarya
Project Responsible

CE marking from DNV

Our Proven Business Model for EPC Project Execution



▪**Construction management expertise** with groups specializing in construction technology in specified areas like civil, piping, electrical, instrumentation, piping, etc

▪**Focused project group** to ensure integrated project management
▪ Use of modern monitoring tools ,viz. Primavera, MS project, etc
▪ Risk analysis & management
▪Aligning all key stakeholders

▪ Complete i**n-house basic, manufacturing & detail**
▪**engineering services**
▪ Ability to provide process system design, plant layout design, analytical studies and system integration, etc
▪ Variety of design software available

▪Ability to manufacture **diverse range of products**, handle variety of raw material and capability in precision welding, fabrication and machining equipments for special products etc

▪Tie up with **various subcontractors** to meet customer needs
▪Large vendor base
▪ Central procurement team with specialized knowledge of various product groups

WIL Manufacturing Facilities



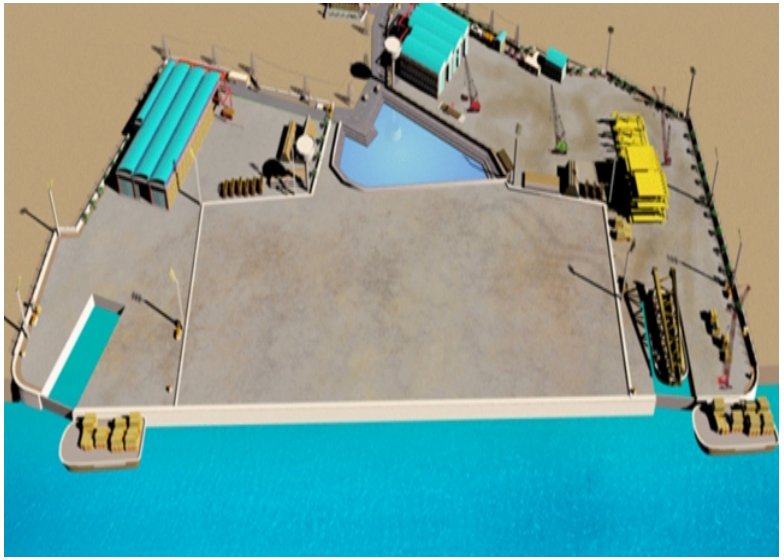
Heavy Engineering at Walchandnagar



Precision Instruments at Dharwad



Foundry at Satara



Dahej (Planned Shore based Facility

Heavy Engineering Facility at Walchandnagar



Area under crane: 56,000 sq mtr.

Crane capacity up to 150 tonnes

ASME Certification for NB, R, S, PP & U stamps

Fully equipped with modern manufacturing facilities

Dust Free Halls for critical assembly

Sophisticated Welding Systems for exotic material

Large sized Furnaces with Data acquisition systems

Fabrication compliant with conformance standards

Critical materials handled include Cladded Steel (Stainless Steel, Titanium Cladding), Alloy Steel (Including varieties of Cr, Mo Steels), Stainless Steels (Austinetic, Martensitic & Super Duplex Types), High Strength Maraging Steel &Vanadium Steel, Inconel, Monel & Incoloy, Titanium Alloys, Aluminum Alloys, Cobalt Alloy, etc

Precision Instruments at Dharwad



Total area of Dharwad site is 65000 sq m with built up area for manufacturing at 2220 sq m

Manufacturing facility for pressure and temperature gauges, various instruments

Plant comprises of automats, hobbing machines, press shop, heat treatment facility, testing lab, chemical treatment facility and tool room

Foundry at Satara



Excellent product related infrastructure, pattern shop, machine shop and metallurgical Lab. With cranes used in foundry ranging from 2 to 35 Ton, the liquid metal capacity of this facility is 1200 T / month.

Satara foundry is spread over an area of 38 acres

Select EPC/Turnkey Projects executed by WIL



181 TPH, 67 kg/cm2(g), 510 Deg. C
Boiler for Ingenio Providencia , Colombia



1000 TPD Cement plant for Zambezi Portland,
Zambia(S. Africa)



6.6 MW Municipal Waste Power Plant- EPC for
Selco International , A.P (India)



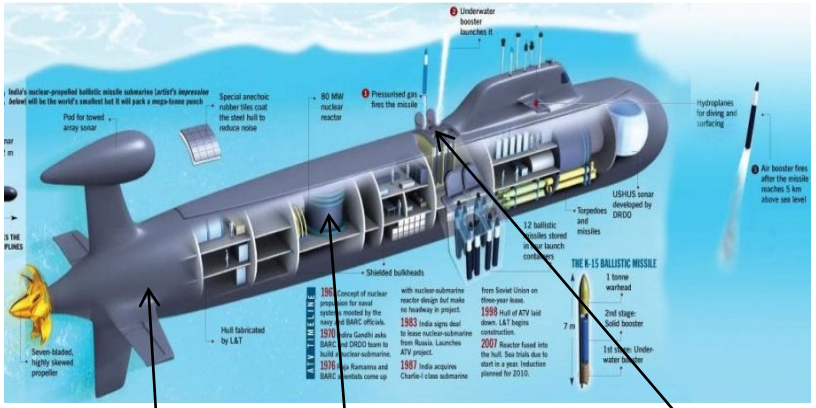
44 MW co- generation plant at Warana, Maharashtra
(India)

Select Equipments Manufactured by WIL



P-28 gear box for Indian Navy

Critical components for " INS ARIHANT"
First ever Indian-built Nuclear Submarine



Main Propulsion Gearbox

Core Nuclear Components

Vertically launched missile containers



Mobile Agni Missile Launcher in Walchandnagar works



Calandria for 700MWe Nuclear power plant

Corporate Social Responsibility @ WIL

Rural Education

- Imparting free education to under privileged children and establishing schools up to Higher Secondary grade

Rural Health care

- Conducting free health and eye check up camps as well as blood donation camps
- Supply of filtered drinking water and providing adequate sanitation facilities

Environment

- Conducting tree plantation drives and other activities such as waste recycling and energy conservation

Encouraging Talent

- Sponsoring sports tournaments to encourage young talent in the sports arena



Organized Summer camp by students of University of Michigan for BCA children



Walchand Cup 2013



Gift Donation drive for underprivileged children

CSR Practices by WIL since 1934

Walchandnagar Township

- Named after the founder, Walchandnagar is a well designed township having all civic amenities
- Located 26 Km from main Mumbai- Hyderabad national Highway and 6 Km from state High Way Baramati-Indapur
- Spread over 157 acres of land , includes 50 acres of factory area
- A cosmopolitan Township with a population of approx. 15,000
- Well established infrastructure
  - Established primary schools in each Agricultural Estate
  - English and Marathi Medium High school in Walchandnagar
  - A 70 bedded modern hospital
  - Modern Sports facilities both outdoor and indoor
  - Senior citizen park, children play park
  - Banks/ATM centers etc.



Hospital at Walchandnagar



Eye Care programme for Welders- by Dr Sachin Kokare



Tree Plantation drive


Thank You