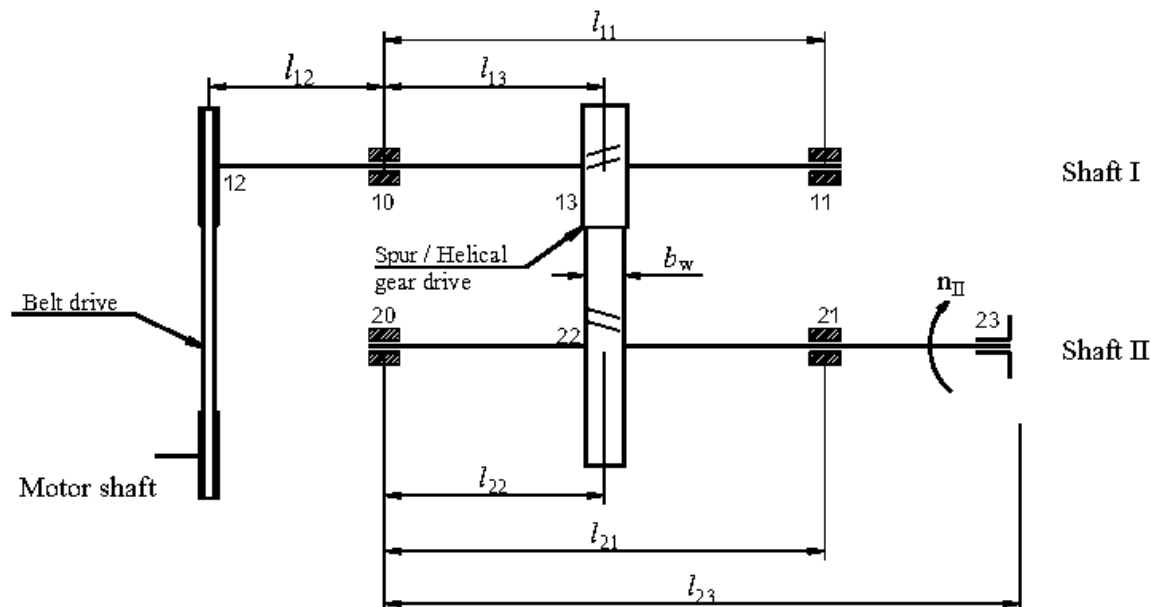


Project number: 1/P.MEM16.H1

A transmission system is given as:



- Working conditions and parameters are given as:

Service time: $L_h = 24000$ (hour)
Number of shifts: 2 (shift)
The tilt angle of the center line of the belt drive: 40° (Đai dẹt)
Load property: Va đập nhẹ
Coupling force on the shaft: 49.74 (N)

Shaft Params	Motor	I	II	Working
P (kW)	0.6	0.564	0.542	0.531
n (v/ph)	720	257.14	58.44	58.44
T (Nmm)	7958.3	20946.6	88571.2	86773.6
u		2.80	4.40	1

- Distances between the load positions are given by the formula as:

$$l_{12} = 5.b_w \quad l_{13} = l_{22} = 4.b_w \quad l_{11} = l_{21} = 2.l_{13} \quad l_{23} = l_{21} + 6.b_w$$

Requirements:

- + Performing the design calculation of the belt and gear drives
- + Performing the design calculation of the shaft: 1
- + Presenting the report on paper with A4 size.

Student: **Hoàng Trung An.....22010740**

Class: **K16-KTCĐT_2**

Instructor: **Vũ Lê Huy**

DEAN
(sign and full name)

LECTURER
(sign and full name)